



*Ventura Countywide
Stormwater Quality
Management Program*

2014-2015
Permit Year

Ventura Countywide Stormwater Quality
Management Program Annual Report

Attachment D

Water Quality Monitoring Appendices



Camarillo
County of Ventura
Fillmore
Moorpark
Ojai
Oxnard
Port Hueneme
Santa Paula
Simi Valley
Thousand Oaks
Ventura

Ventura County Watershed Protection District

December 14, 2015

Attachment D - Water Quality Monitoring Appendices

- Appendix A - Major Outfall Station Fact Sheets
- Appendix B - Event Hydrographs
- Appendix C- NRCS Curve Number Methodology Discussion
- Appendix D - Event Summaries
- Appendix E - Chain of Custody Forms
- Appendix F - Laboratory QAQC Analysis Results
- Appendix G - Laboratory Environmental Analysis Records
- Appendix H - RWQCB Permission of Toxicity Species Substitution
- Appendix I - Aquatic Toxicity Testing Lab Results
- Appendix J - Dry-Weather Analytical Monitoring Results
- Appendix K - Formulas for WQO determination
- Appendix L - Site Status - Captured Methods and Events
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Appendix A: Major Outfall Station Fact Sheets

Camarillo

Waterbody: Camarillo Hills Drain (tributary to Revolon Slough)

Location: Daily Rd. overcrossing (34°13'10.00"N, 119° 3'58.06"W)

Pros: Likely well-defined rating table

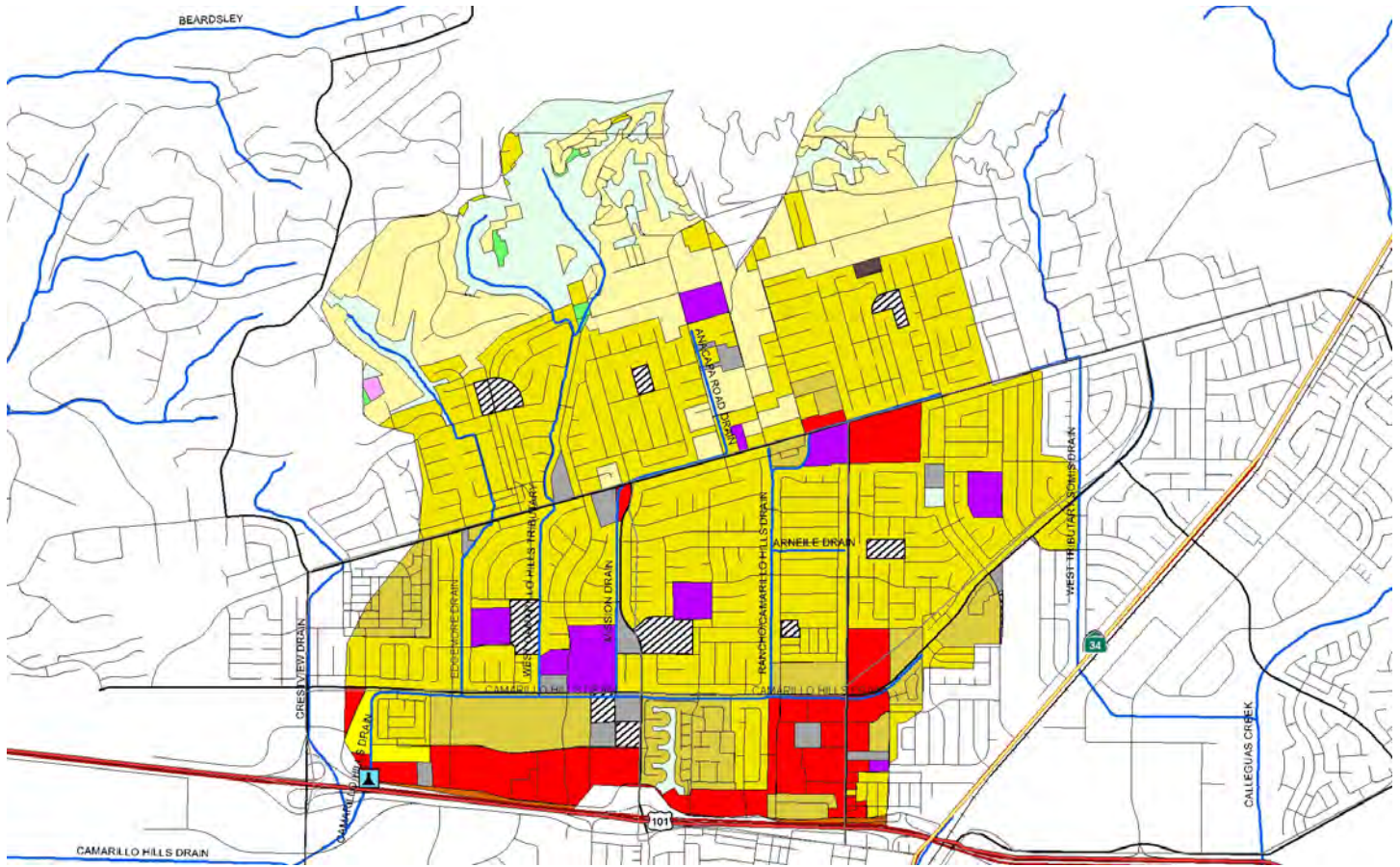
Cons: Moderate potential for vandalism

Outstanding Site Selection Tasks: None

Other Potential Sites: None

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	1585.8	12.6%
Com_Indus. Mix	12.5	0.1%
Commer.	657.2	5.2%
Extraction	58.4	0.5%
Facility	129.5	1.0%
Industrial_1	32.2	0.2%
Industrial_3	622.6	4.9%
Military_2	5.7	0.1%
No Info Given	202.2	1.6%
Recreation	489.4	3.9%
Res.1	1305.9	10.4%
Res.2	443.4	3.5%
Res.3	3253.5	25.9%
Res.4	525.0	4.2%
Schools	325.0	2.6%
Transportation	954.2	7.6%
Under Construction	294.8	2.3%
Utilities	255.8	2.0%
Vacant Undifferentiated	1423.4	11.4%
Totals	12576.4	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	6.1	0.2%
Commercial	213.5	7.7%
Facility	48.5	1.7%
No Info Given	57.4	2.1%
Res.1	453.4	16.3%
Res.2	235.0	8.5%
Res.3	1365.5	49.1%
Res.4	15.2	0.5%
Schools	80.6	2.9%
Transportation	11.7	0.4%
Under Construction	2.6	0.1%
Utilities	2.3	0.1%
Vacant Undifferentiated	287.4	10.3%
Totals	2779.1	100.0%

Fillmore

Waterbody: North Fillmore Drain (tributary to Sespe Creek)

Location: 75 yds. southwest of Old Telegraph Rd.
(34°24'16.51"N, 118°55'50.47"W)

Pros: Some portion of vegetation could be cleared by City of Fillmore

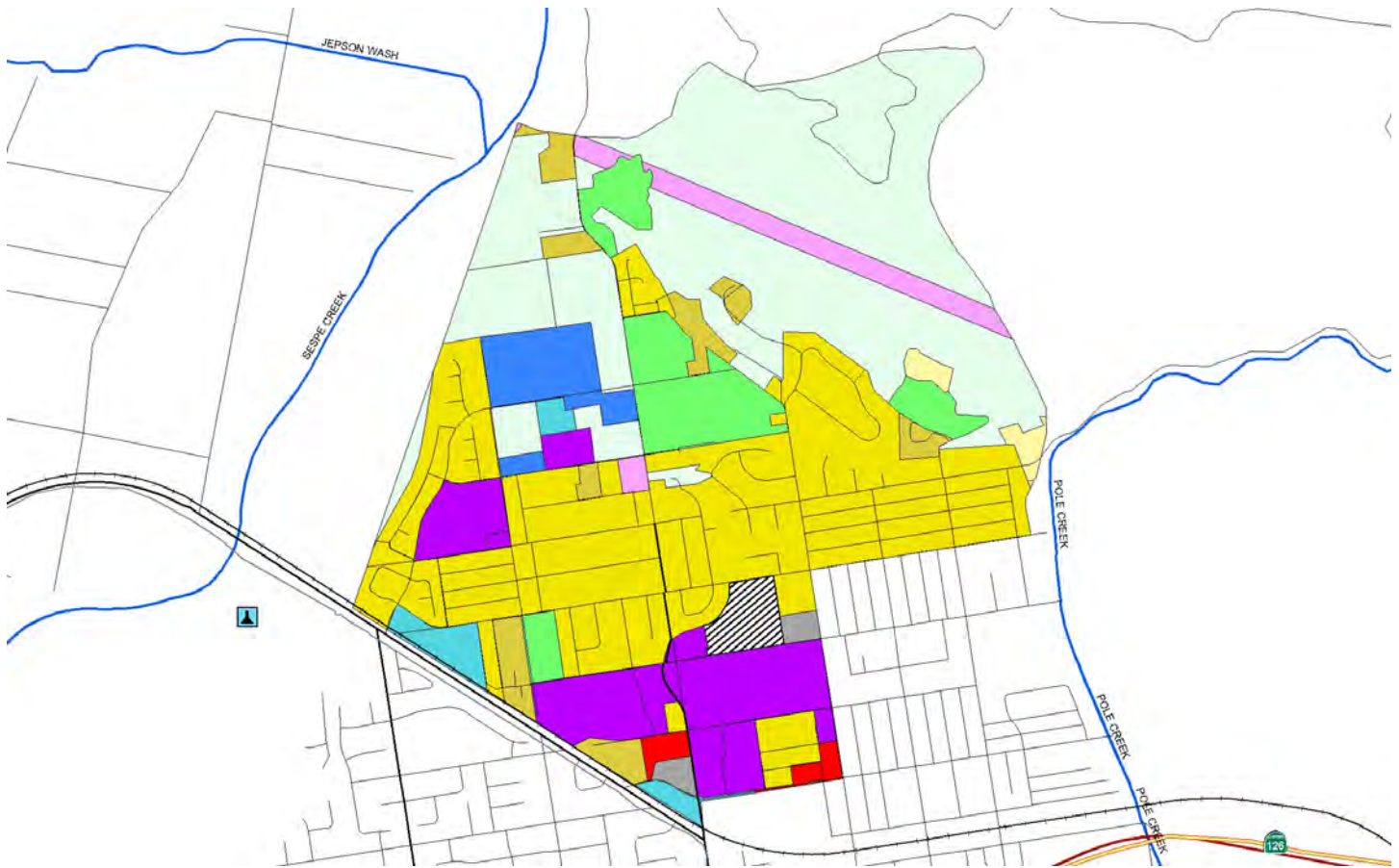
Cons: Potential for vandalism

Outstanding Site Selection Tasks: None

Other Potential Sites: C Street Drain and Central Ave. Drain

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	274.8	13.0%
Com_Indus. Mix	10.4	1.0%
Commercial	103.2	5.0%
Facility	27.3	1.0%
Industrial_1	31.3	2.0%
Industrial_3	28.7	1.0%
No Info Given	21.9	1.0%
Res.1	52.8	3.0%
Res.2	44.6	2.0%
Res.3	693.1	34.0%
Schools	87.6	4.0%
Transportation	6.4	0.0%
Under Constructoni	58.4	3.0%
Utilities	45.8	2.0%
Vacant Undifferentiated	582.5	28.0%
Totals	2068.7	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	52.5	6.9%
Commercial	6.3	0.8%
Facility	5.1	0.7%
Industrial_1	14.1	1.9%
Industrial_3	23.4	3.1%
No Info Given	9.9	1.3%
Res.1	6.1	0.8%
Res.2	29.7	3.9%
Res.3	255.7	33.6%
Schools	75.3	9.9%
Utilities	23.1	3.0%
Vacant Undifferentiated	260.6	34.2%
Totals	761.7	100.0%

Meiners Oaks (Unincorporated)

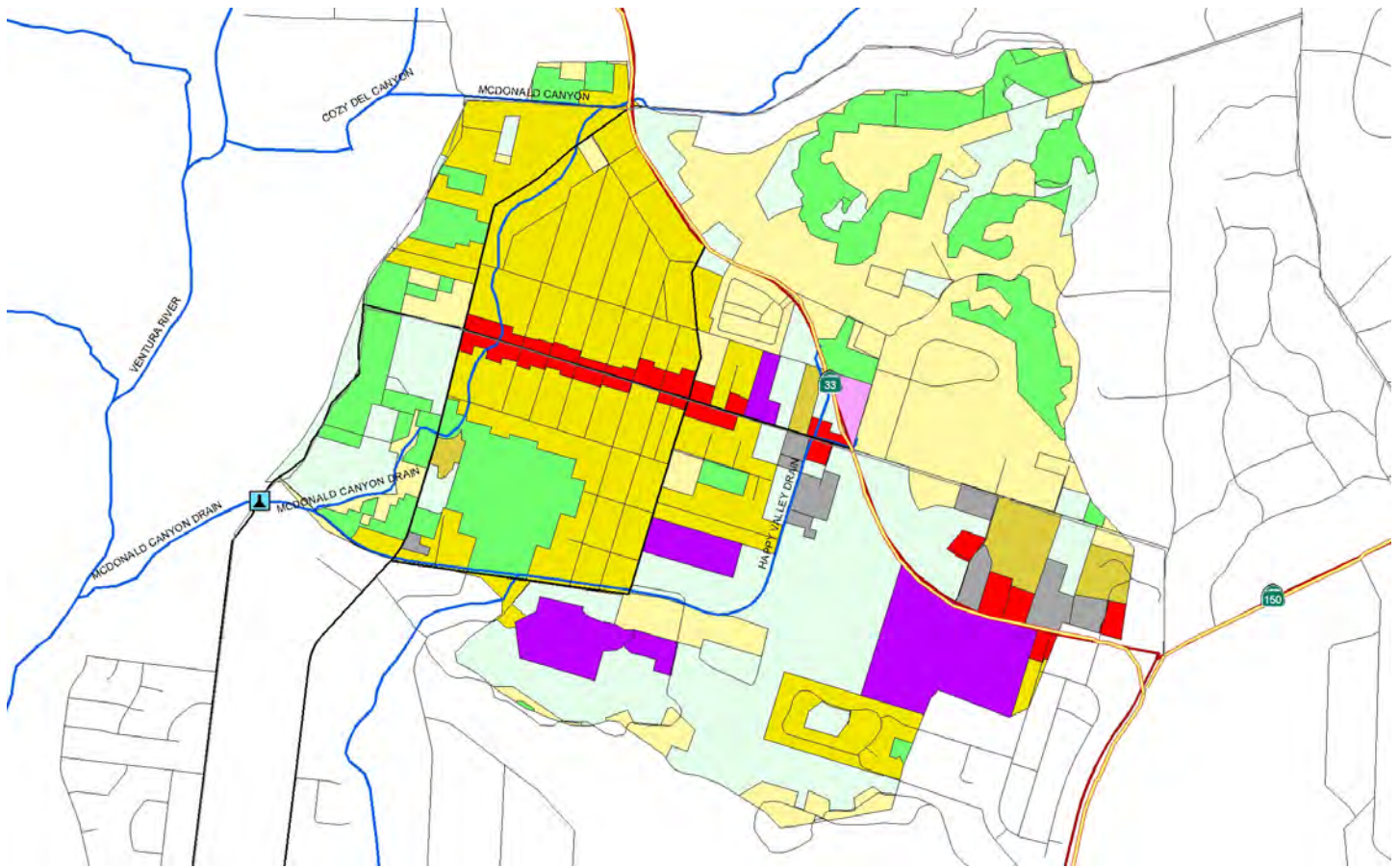
Waterbody: Happy Valley Drain (tributary to Ventura River)

Location: Southwest of Lomita Rd. and Rice Rd. intersection (34°26'43.98"N, 119°17'25.18"W)

Pros: Good control, good access, existing stream flow gauge

Dry Season Flow Potential: Unknown at end of rainy season; unlikely later in summer





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	658.0	21.5%
Cemeteries	0.0	0.0%
Commercial	33.0	1.1%
Facility	15.5	0.5%
Recreation	29.9	1.0%
Res.1	812.3	26.5%
Res.2	43.9	1.4%
Res.3	463.4	15.1%
Schools	46.5	1.5%
Utilities	19.3	0.6%
Vacant Undifferentiated	945.0	30.8%
Totals	3066.8	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	152.1	14.8%
Commercial	30.8	3.0%
Facility	20.8	2.0%
Res.1	234.0	22.8%
Res.2	22.0	2.1%
Res.3	249.9	24.4%
Schools	63.6	6.2%
Utilities	3.8	0.4%
Vacant Undifferentiated	248.8	24.3%
Totals	1025.9	100.0%

Moorpark

Waterbody: Gabbert Canyon Drain (tributary to Arroyo Las Posas)

Location: North side of SR 118 near southwest corner of So. Cal. Edison property (34°16'44.29"N, 118°54'19.40"W)

Pros: Likely well-defined rating table

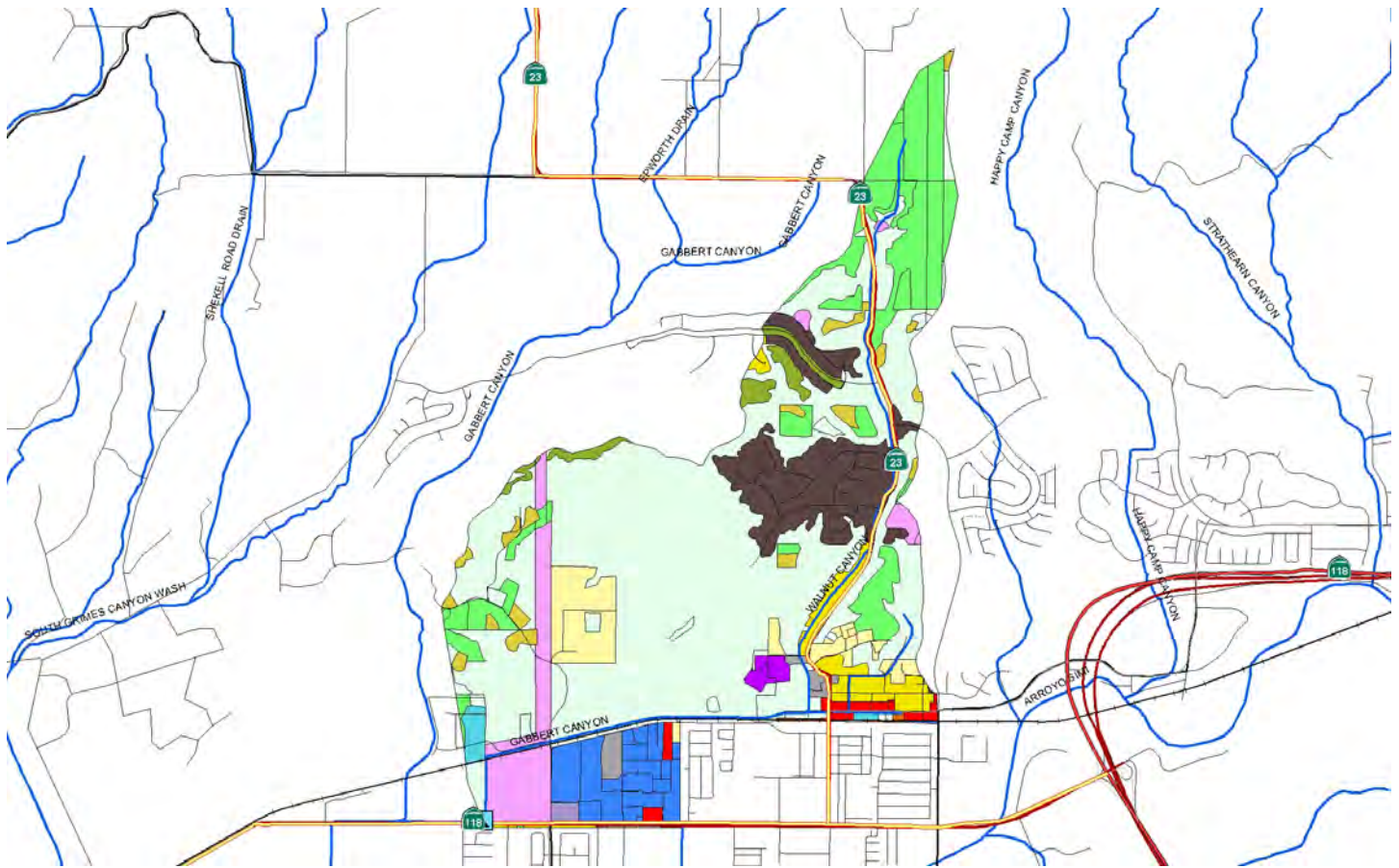
Cons: Aerial deposition from vehicular traffic on 118, potential for vandalism

Outstanding Site Selection Tasks: Move sampling location shown on watershed map

Other Potential Sites: Upstream current location, although site would interfere with access road

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff





Entire City

Land Use	Acres	% of Total Watershed
Land Use	Acres	% of Total Watershed
Agriculture	351.7	4.0%
Com_Indus. Mix	9.1	0.0%
Commercial	196.3	2.0%
Extraction	39.2	0.0%
Facility	40.9	1.0%
Industrial_1	21.3	0.0%
Industrial_3	225.2	3.0%
No Info Given	148.3	2.0%
Recreation	186.1	2.0%
Res.1	213.5	3.0%
Res.2	190.4	2.0%
Res.3	1854.6	23.0%
Res.4	106.8	1.0%
Schools	302.1	4.0%
Transportation	198.0	2.0%
Under Construction	472.9	6.0%
Utilities	211.9	3.0%
Vacant Undifferentiated	3213.1	40.0%
Totals	7981.5	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	230.0	12.7%
Commercial	19.9	1.1%
Extraction	5.8	0.3%
Facility	16.8	0.9%
Industrial_1	13.3	0.7%
Industrial_3	90.4	5.0%
Recreation	31.0	1.7%
Res.1	82.3	4.5%
Res.2	37.4	2.1%
Res.3	56.3	3.1%
Res.4	1.5	0.1%
Schools	10.5	0.6%
Transportation	3.1	0.2%
Under Construction	166.2	9.2%
Utilities	100.7	5.5%
Vacant Undifferentiated	950.8	52.4%
Totals	1816.2	100.0%

Ojai

Waterbody: Fox Canyon Barranca (tributary to San Antonio Creek)

Location: Concrete box channel upstream Ojai Valley Athletic Club and downstream pedestrian walkway (34°26'41.25"N, 119°14'28.43"W)

Pros: Numerous bridges to sample from, located behind VCWPD gate, likely well-defined rating table

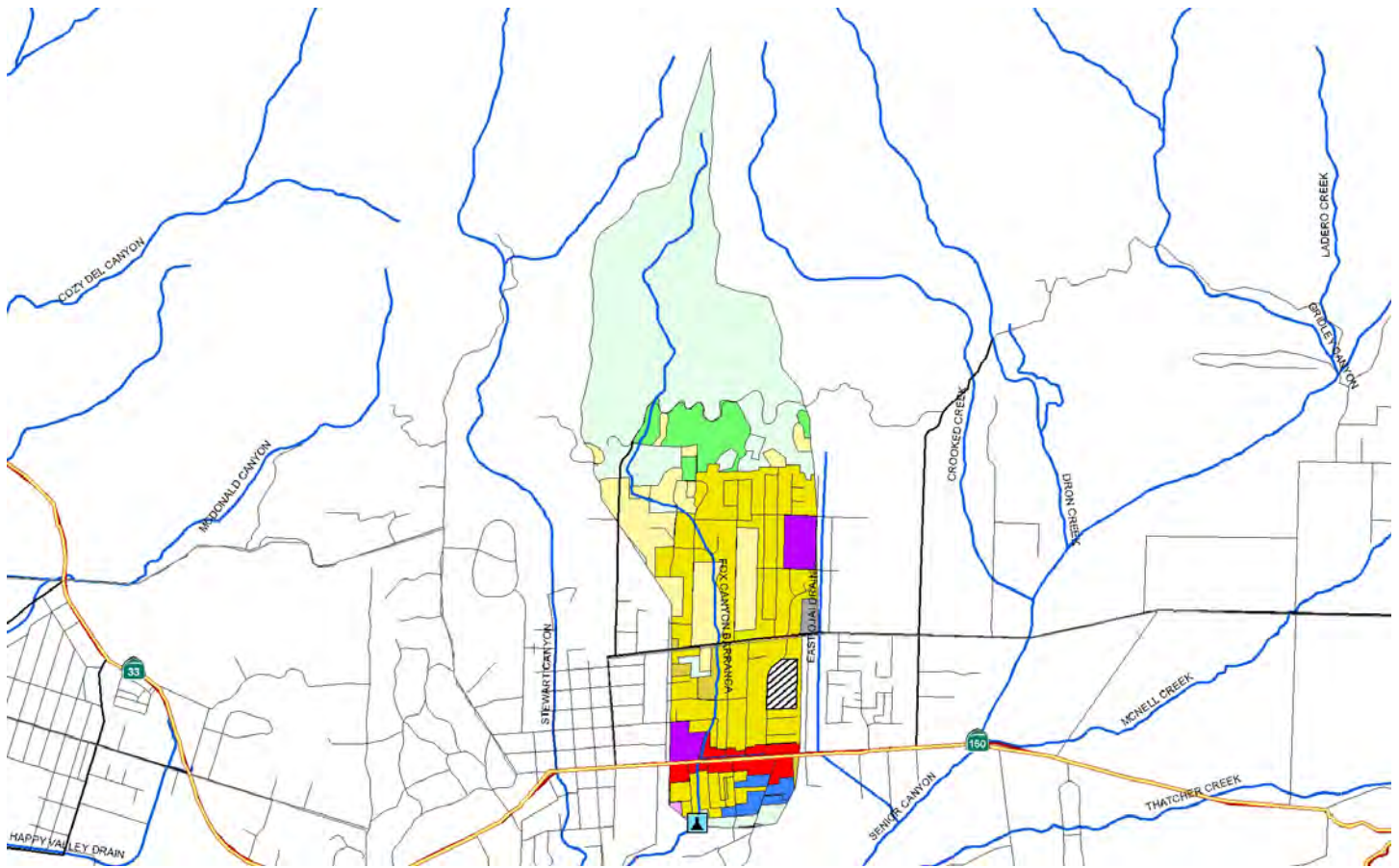
Cons: Some potential for vandalism

Outstanding Site Selection Tasks: Work with VCWPD O&M to ensure enclosure doesn't interfere with maintenance activities

Other Potential Sites: Downstream where Stewart Canyon crosses beneath Ventura St. (bioassessment #8)

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff





Entire Watershed

Land Use	Acres	% of Total Watershed
Agriculture	83.1	3.0%
Cemeteries	3.8	0.1%
Com_Indus. Mix	7.6	0.3%
Commercial	155.1	5.6%
Facility	43.2	1.5%
Industrial_3	13.2	0.5%
No Info Given	55.6	2.0%
Recreation	312.1	11.2%
Res.1	620.7	22.2%
Res.2	61.3	2.2%
Res.3	534.8	19.1%
Res.4	3.3	0.1%
Schools	100.6	3.6%
Utilities	32.9	1.2%
Vacant Undifferentiated	767.1	27.5%
Totals	2794.7	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	37.3	5.0%
Commercial	23.8	3.2%
Facility	4.1	0.6%
Industrial_3	11.4	1.5%
No Info Given	10.0	1.3%
Recreation	0.1	0.0%
Res.1	84.3	11.3%
Res.2	8.0	1.1%
Res.3	210.9	28.2%
Res.4	0.1	0.0%
Schools	20.2	2.7%
Utilities	1.0	0.1%
Vacant Undifferentiated	337.5	45.1%
Totals	748.6	100.0%

Oxnard

Waterbody: El Rio Drain (tributary to Santa Clara River)

Location: Pedestrian bridge 50 yds. southwest bend of Winchester Dr. (34°14'10.10"N, 119°11'3.93"W)

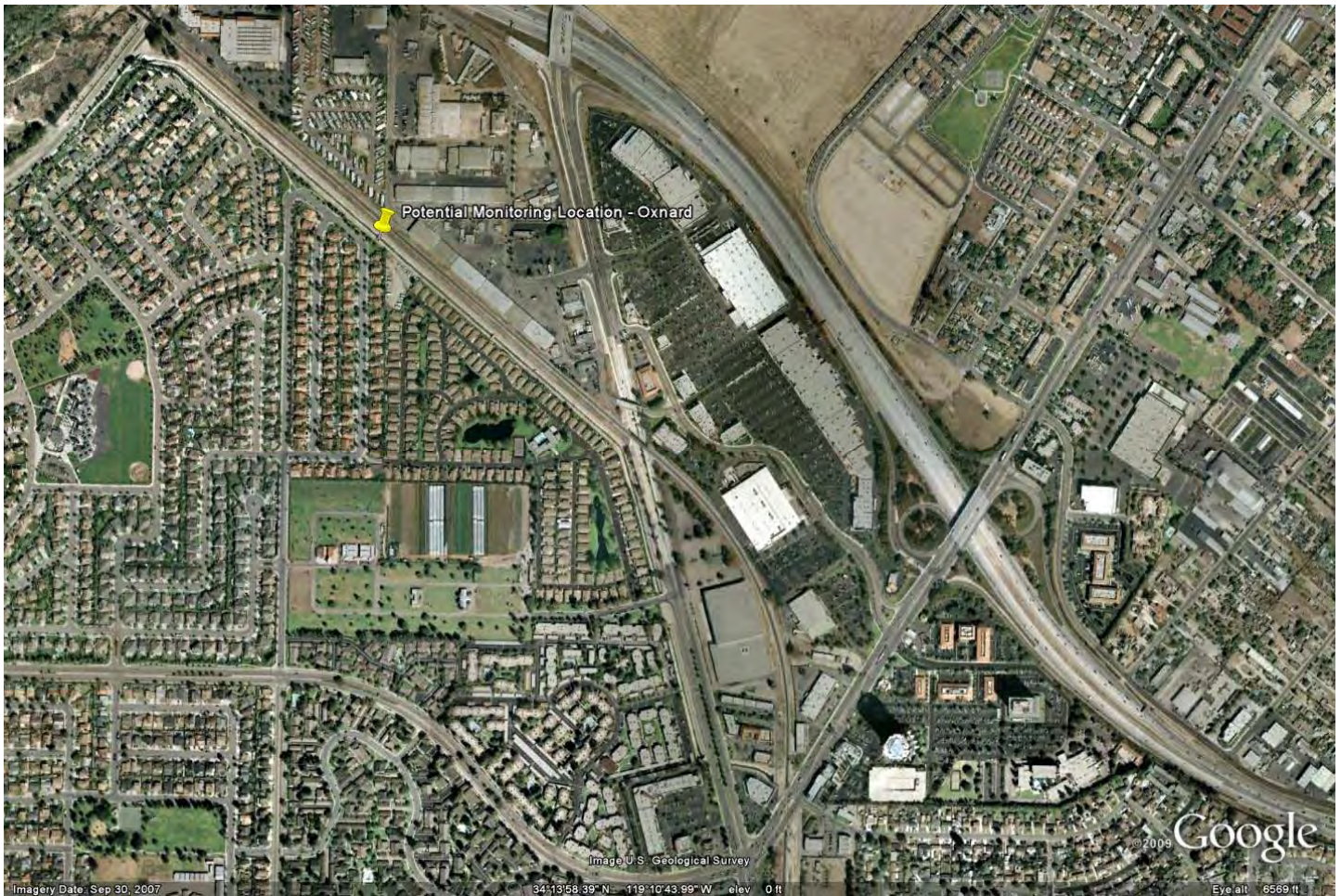
Pros: Likely well-defined rating table

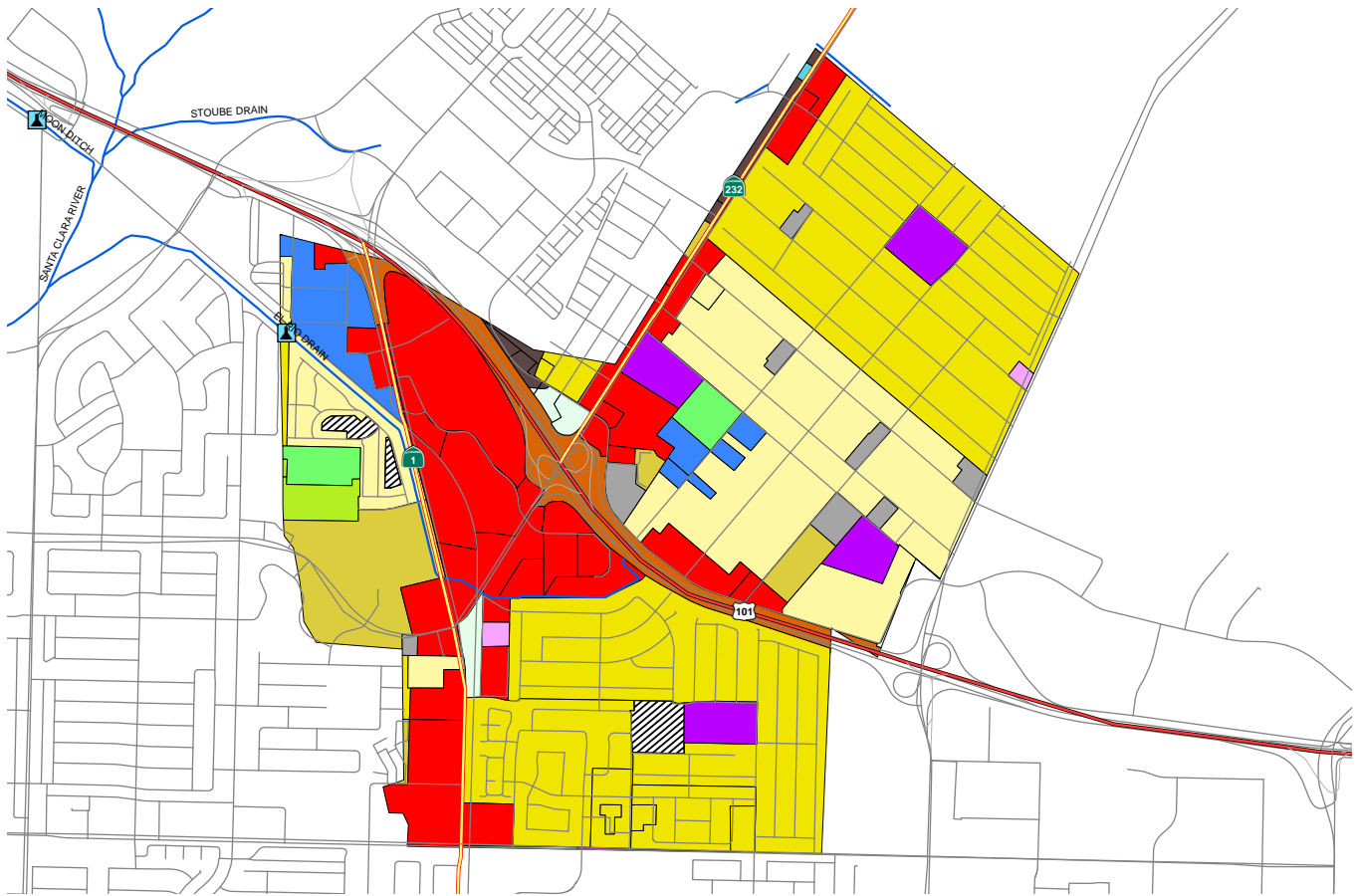
Cons: High potential for vandalism

Outstanding Site Selection Tasks: None

Other Potential Sites: None

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	969.4	5.6%
Cemeteries	22.4	0.1%
Com_Indus. Mix	165.1	0.9%
Commercial	1385.9	8.0%
Extraction	227.3	1.3%
Facility	244.8	1.4%
Industrial_1	163.7	1.0%
Industrial_3	1104.0	6.5%
Industrial_4	62.3	0.4%
Military_1	1.7	0.0%
Military_2	4.0	0.0%
No Info Given	371.6	2.2%
Recreation	679.4	3.9%
Res.1	369.1	2.2%
Res.2	1149.3	6.7%
Res.3	5892.4	34.3%
Res.4	163.0	1.0%
Schools	703.5	4.1%
Transportation	560.5	3.3%
Under Construction	802.6	4.7%
Utilities	298.0	1.8%
Vacant Undifferentiated	1740.2	10.1%
Water	82.0	0.5%
Totals	17162.2	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	19.0	1.5%
Cemeteries	9.7	0.7%
Commercial	253.5	19.5%
Facility	22.1	1.7%
Industrial_1	0.7	0.1%
Industrial_3	40.4	3.1%
No Info Given	14.0	1.1%
Res.1	243.3	18.7%
Res.2	69.8	5.4%
Res.3	500.1	38.5%
Schools	42.9	3.3%
Transportation	55.3	4.3%
Under Construction	12.4	1.0%
Utilities	3.5	0.3%
Vacant Undifferentiated	11.7	0.9%
Totals	1298.2	100.0%

Port Hueneme

Waterbody: Hueneme Drain (tributary to Pacific Ocean)

Location: Pump Station 300 yds. downstream Surfside Dr. (34°8'26.91"N, 119°11'17.58"W)

Pros: Grass-covered sides fairly stable

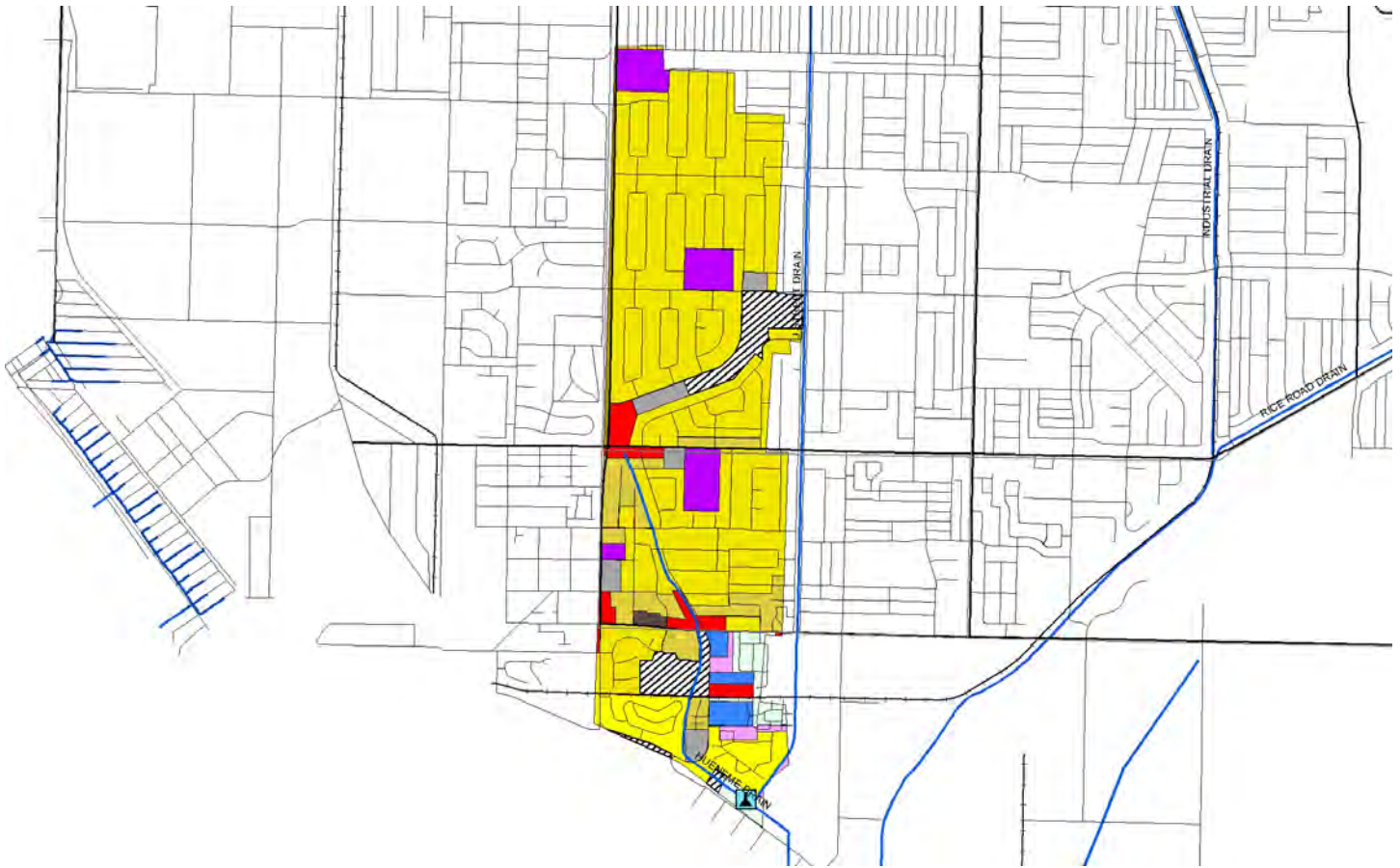
Cons: Lots of activity nearby, high potential for vandalism, stagnant water

Outstanding Site Selection Tasks: Verify positive flow

Other Potential Sites: At Surfside Rd. at lower end of Bubbling Springs Park

Dry Season Flow Potential: Likely year-round flow due to urban runoff and groundwater contribution





Entire City

Land Use	Acres	% of Total Watershed
Commercial	105.4	3.7%
Facility	20.4	0.7%
Industrial_1	32.5	1.1%
Industrial_3	34.9	1.2%
Military_2	1558.4	54.0%
No Info Given	53.7	1.9%
Recreation	38.5	1.3%
Res.2	308.3	10.7%
Res.3	432.9	15.0%
Res.4	104.3	3.6%
Schools	41.6	1.4%
Transportation	29.7	1.0%
Under Construction	2.1	0.1%
Utilities	6.0	0.2%
Vacant Undifferentiated	35.4	1.2%
Water	83.6	2.9%
Totals	2887.9	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Commercial	19.2	3.3%
Facility	15.1	2.6%
Industrial_3	10.0	1.7%
Military_2	5.7	1.0%
No Info Given	35.8	6.1%
Res.2	45.5	7.7%
Res.3	359.1	60.9%
Res.4	40.9	6.9%
Schools	32.6	5.5%
Under Construction	2.1	0.4%
Utilities	6.5	1.1%
Vacant Undifferentiated	16.8	2.9%
Totals	589.4	100.0%

Santa Paula

Waterbody: 11th Street Drain (tributary to Santa Clara River)

Location: Upstream Santa Paula Airport
(34°20'54.99"N, 119° 3'19.82"W)

Pros: Excellent flat pad on top of outfall for sampling equipment

Cons: High potential for vandalism

Outstanding Site Selection Tasks: None

Other Potential Sites: None

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff. No flow at time of initial observation





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	210.3	7.0%
Cemeteries	19.4	0.7%
Com_Indus. Mix	4.6	0.2%
Commercial	235.4	7.8%
Extraction	30.5	1.0%
Facility	42.4	1.4%
Industrial_1	73.7	2.4%
Industrial_3	133.0	4.5%
No Info Given	33.5	1.1%
Recreation	4.7	0.2%
Res.1	266.9	8.9%
Res.2	86.8	2.9%
Res.3	1065.9	35.5%
Res.4	46.8	1.6%
Schools	91.7	3.1%
Transportation	166.4	5.5%
Under Construction	8.7	0.3%
Utilities	41.1	1.4%
Vacant Undifferentiated	440.6	14.7%
Totals	3002.4	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Commercial	9.4	14.7%
Industrial_1	2.5	4.0%
Res.2	2.8	4.3%
Res.3	30.5	47.7%
Schools	6.4	10.0%
Transportation	6.8	10.6%
Utilities	4.9	7.6%
Vacant Undifferentiated	0.8	1.2%
Totals	64.0	100.0%

Simi Valley

Waterbody: Bus Canyon Drain (tributary to Arroyo Simi)

Location: North of intersection at 5th St. and Los Angeles Ave. (34°16'18.59"N, 118°47'1.51"W)

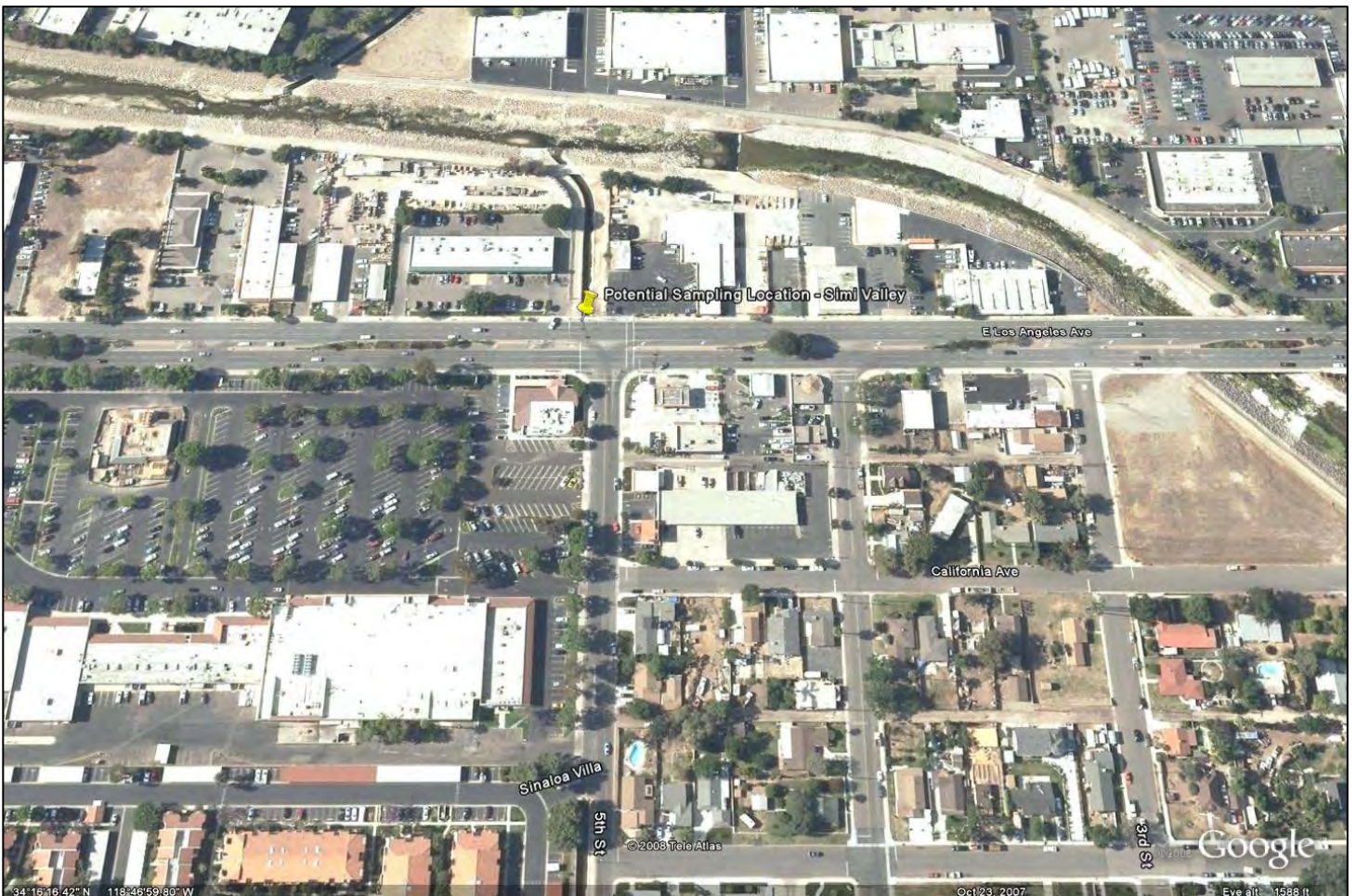
Pros: Likely well-defined rating table, located behind VCWPD gate

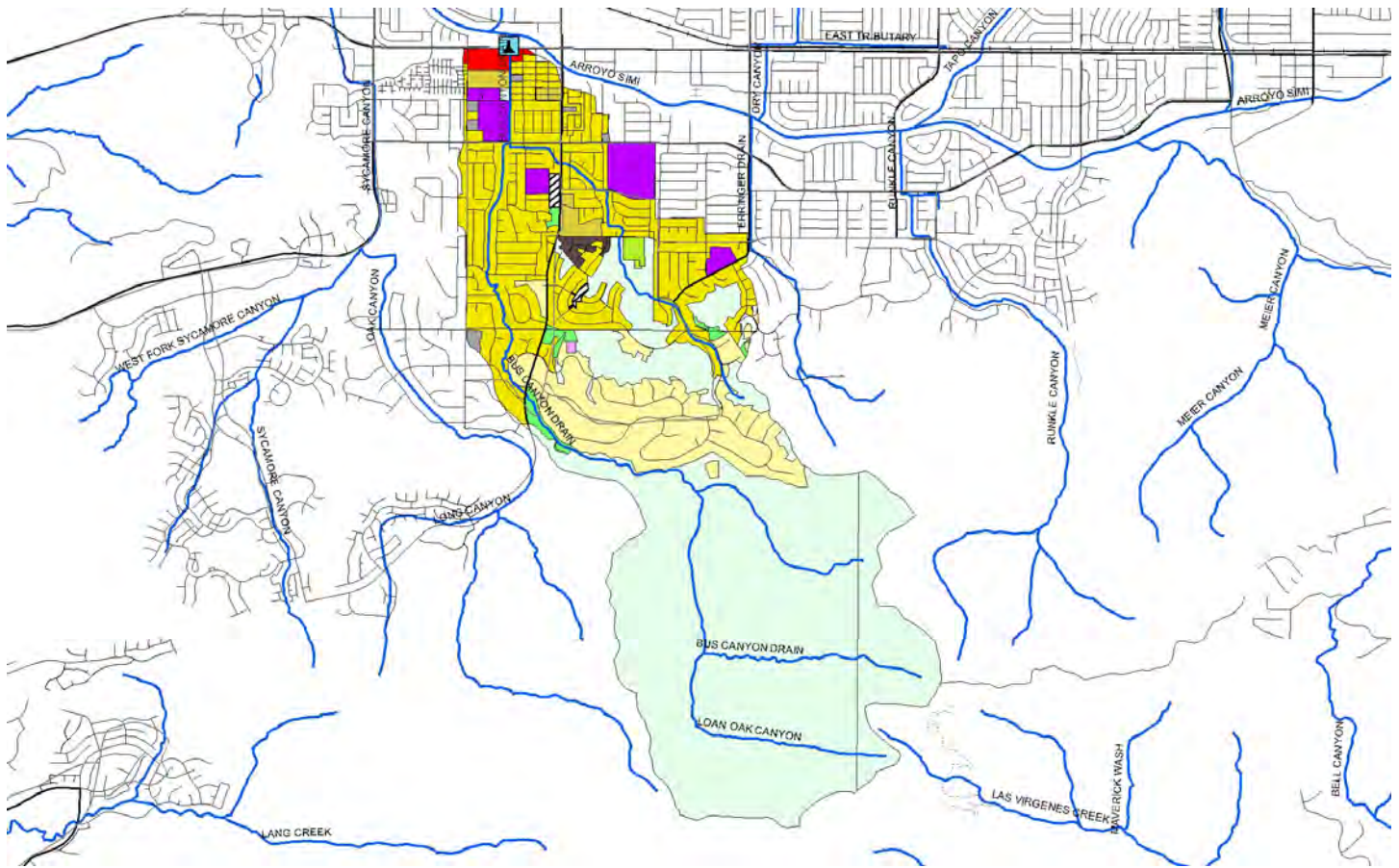
Cons: Pedestrian traffic on levee nearby

Outstanding Site Selection Tasks: Assess impacts of large groundwater discharge upstream, move sampling location shown on watershed map

Other Potential Sites: Upstream at 5th and Ventura Ave.

Dry Season Flow Potential: Likely year round flow due to urban runoff and groundwater discharge upstream





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	435.5	1.6%
Cemeteries	34.3	0.1%
Com_Indus. Mix	24.4	0.1%
Commercial	1051.4	3.9%
Extraction	111.8	0.4%
Facility	217.1	0.8%
Industrial_1	50.3	0.2%
Industrial_3	353.3	1.3%
Industrial_4	5.9	0.0%
No Info Given	382.0	1.5%
Recreation	560.9	2.0%
Res.1	1025.0	3.7%
Res.2	586.0	2.2%
Res.3	7947.7	29.5%
Res.4	110.7	0.4%
Schools	517.5	1.9%
Transportation	546.9	2.0%
Under Construction	385.6	1.4%
Utilities	261.0	1.0%
Vacant Undifferentiated	12291.5	45.6%
Totals	26898.6	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	33.0	1.0%
Cemeteries	10.1	0.3%
Commercial	22.6	0.7%
Facility	12.9	0.4%
No Info Given	9.4	0.3%
Res.1	395.5	11.9%
Res.2	40.3	1.2%
Res.3	782.9	23.6%
Schools	96.7	2.9%
Under Construction	15.5	0.5%
Utilities	1.8	0.1%
Vacant Undifferentiated	1900.0	57.2%
Totals	3320.7	100.0%

Thousand Oaks

Waterbody: North Fork Arroyo Conejo (tributary to Conejo Creek)

Location: Hill Canyon WWTP sampling location R-1(34°12'49.16"N, 118°55'16.24"W)

Pros: Very secure, helpful staff onsite, fairly well-defined channel, accessible via concrete stairs

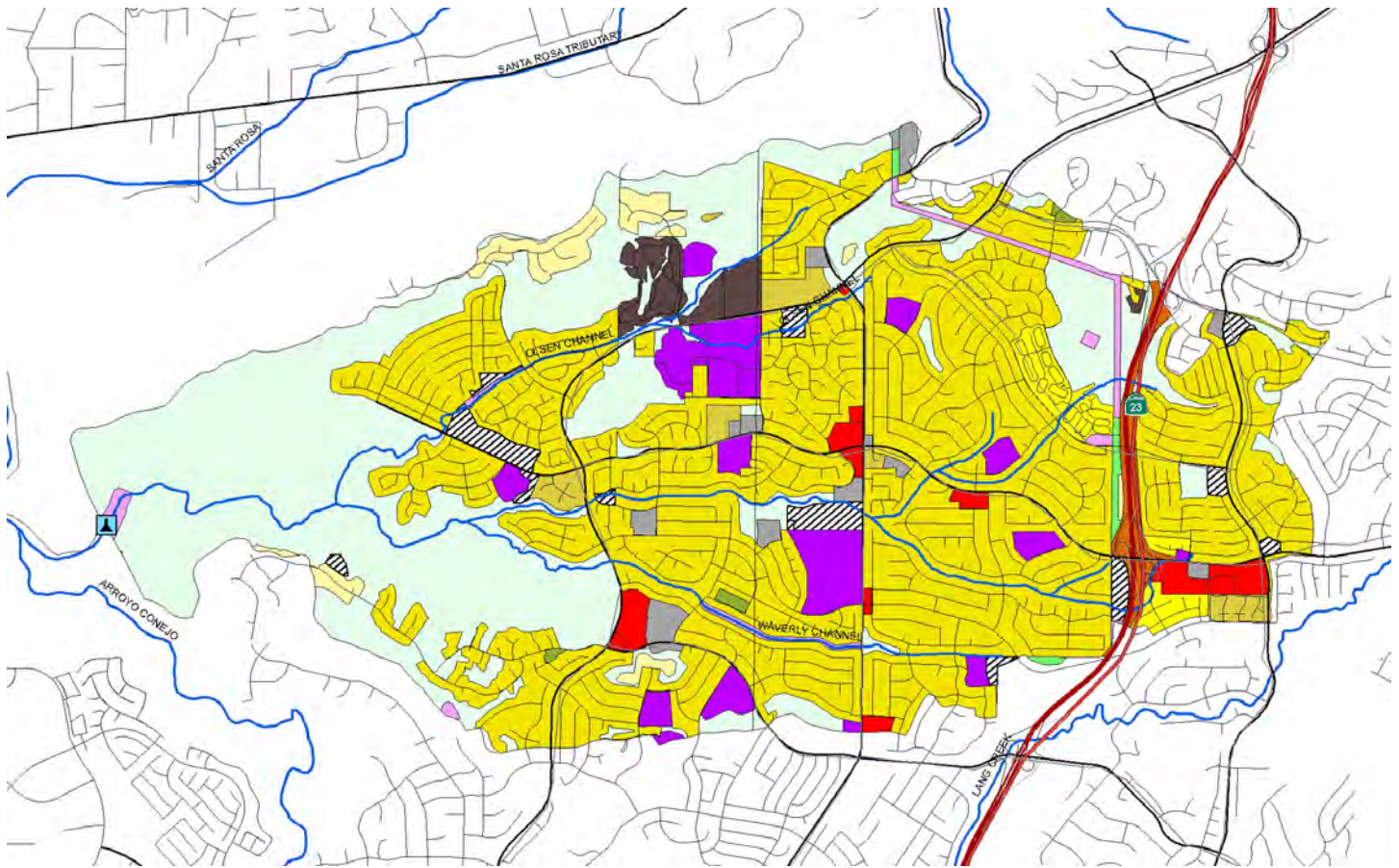
Cons: Late-night access to WWTP could present problem

Outstanding Site Selection Tasks: None

Other Potential Sites: None

Dry Season Flow Potential: Likely year-round flow due to urban runoff





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	207.0	0.6%
Com_Indus. Mix	23.2	0.1%
Commercial	1499.7	4.2%
Extraction	9.0	0.0%
Facility	291.6	0.8%
Industrial_1	94.3	0.3%
Industrial_3	457.7	1.3%
No Info Given	459.2	1.3%
Recreation	574.2	1.7%
Res.1	1683.9	4.7%
Res.2	1000.3	2.8%
Res.3	9323.6	26.4%
Res.4	288.1	0.8%
Schools	587.6	1.7%
Transportation	605.4	1.7%
Under Construction	281.6	0.8%
Utilities	260.6	0.7%
Vacant Undifferentiated	17465.1	49.7%
Totals	35111.8	100.0%

Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	13.5	0.3%
Commercial	83.5	1.6%
Facility	67.3	1.3%
No Info Given	95.4	1.8%
Recreation	8.7	0.2%
Res.1	89.8	1.7%
Res.2	71.5	1.4%
Res.3	2643.8	51.0%
Res.4	84.0	1.6%
Schools	224.2	4.3%
Transportation	61.5	1.2%
Under Construction	79.4	1.5%
Utilities	53.3	1.0%
Vacant Undifferentiated	1603.6	31.0%
Totals	5179.3	100.0%

Ventura

Waterbody: Moon Ditch (tributary to Santa Clara River)

Location: Between Leland St. and US 101, north of Johnson Dr. (34°14'35.86"N, 119°11'40.86"W)

Pros: Likely well-defined rating table, fairly good protection (located behind VCWPD gate)

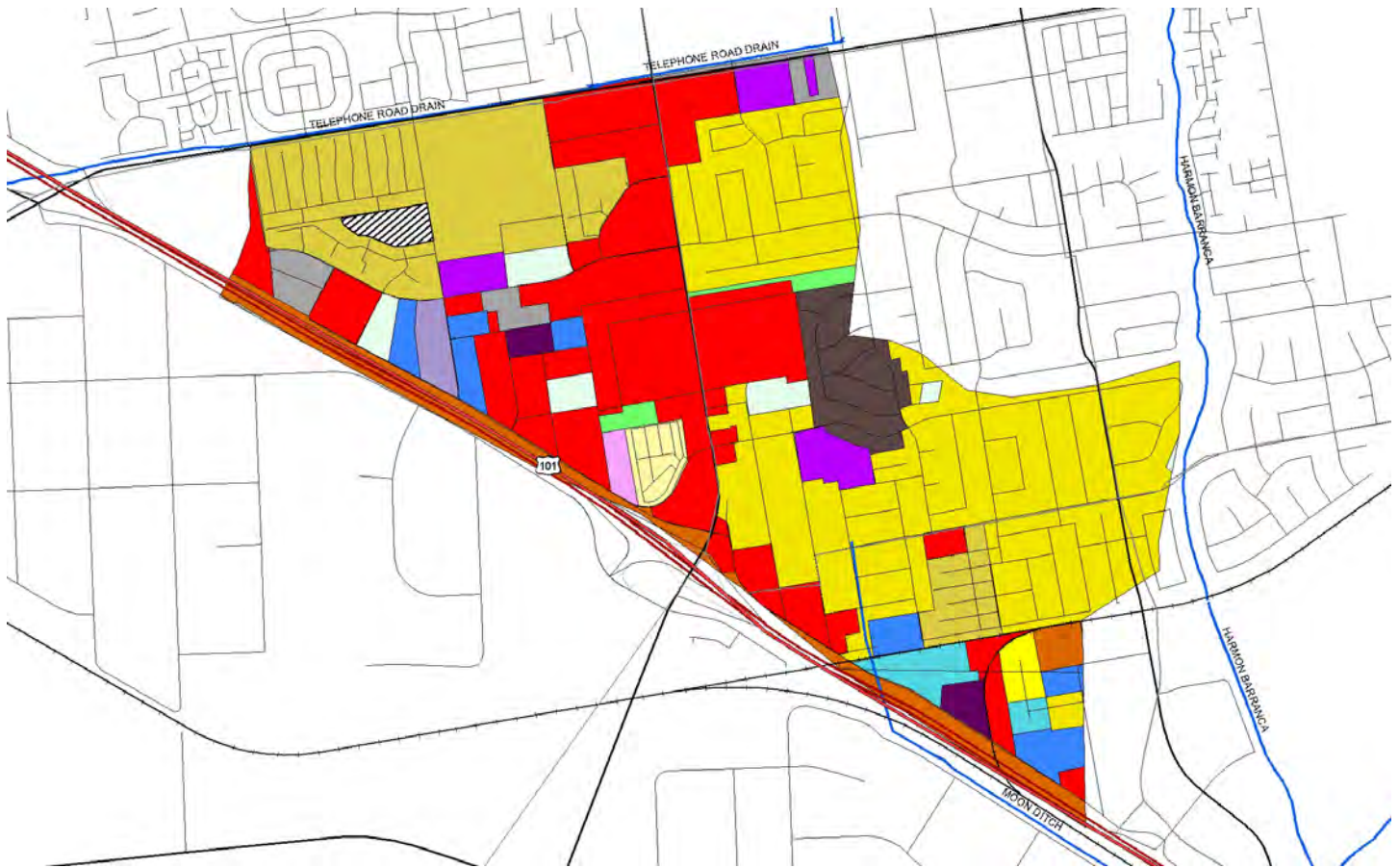
Cons: Wide concrete bottom will spread out low flows, placement of intake somewhat difficult

Outstanding Site Selection Tasks: None

Other Potential Sites: None

Dry Season Flow Potential: Likely intermittent year-round flow due to urban runoff





Entire City

Land Use	Acres	% of Total Watershed
Agriculture	667.6	4.7%
Cemeteries	72.6	0.5%
Com_Indus. Mix	95.4	0.7%
Commercial	1402.9	10.0%
Extraction	39.2	0.3%
Facility	303.8	2.2%
Industrial_1	90.5	0.6%
Industrial_3	619.6	4.5%
Military_2	3.6	0.0%
No Info Given	285.7	2.1%
Recreation	516.3	3.7%
Res.1	361.1	2.6%
Res.2	924.0	6.6%
Res.3	5209.6	37.2%
Res.4	72.4	0.5%
Res.5	2.8	0.0%
Schools	495.8	3.6%
Transportation	570.0	4.1%
Under Construction	73.7	0.5%
Utilities	125.4	0.9%
Vacant Undifferentiated	2018.1	14.4%
Water	61.5	0.4%
Totals	14011.6	100.0%

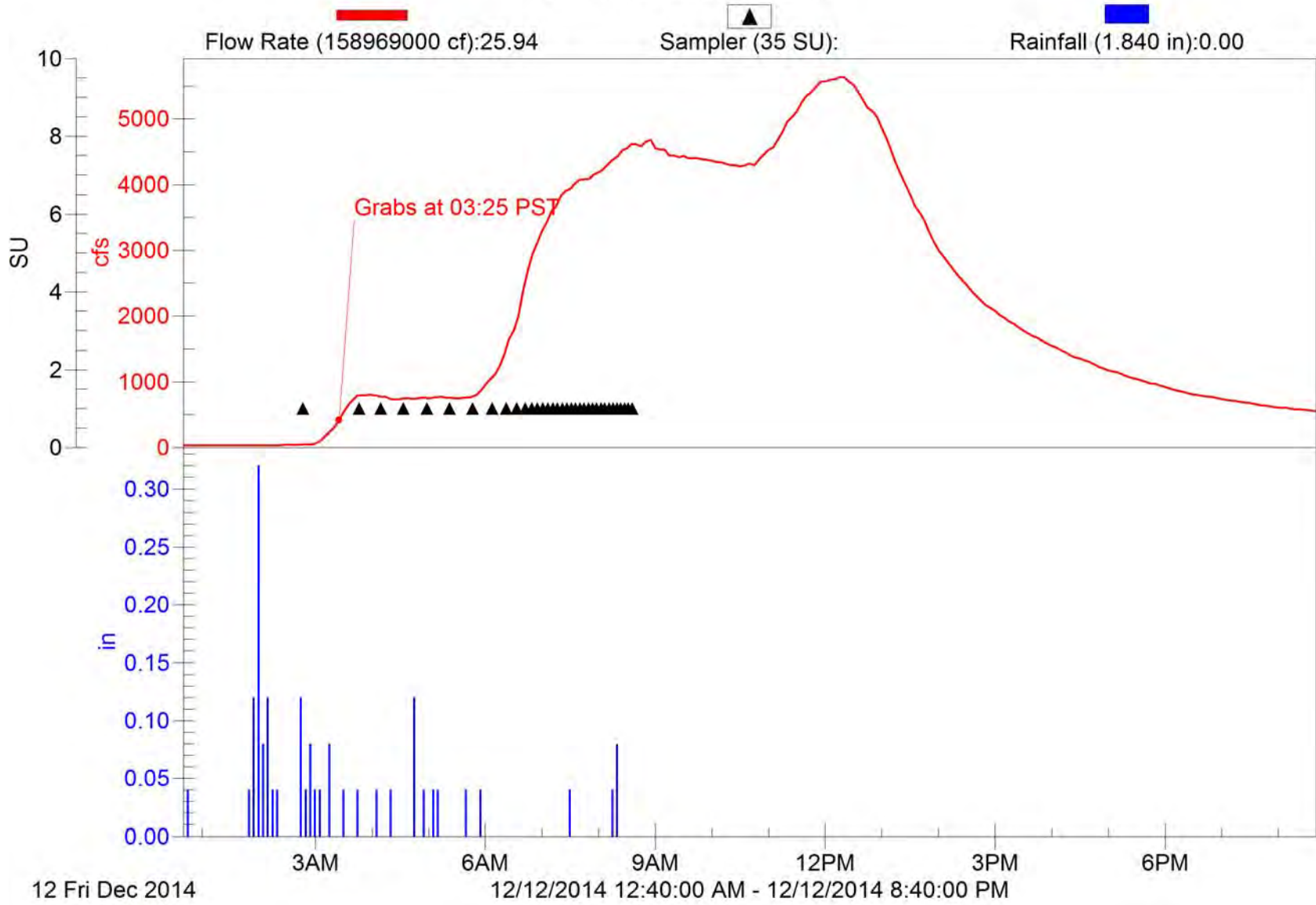
Selected Subwatershed

Land Use	Acres	% of Total Watershed
Agriculture	5.8	0.8%
Com_Indus. Mix	6.5	0.9%
Commercial	171.7	24.3%
Extraction	6.3	0.9%
Facility	14.6	2.1%
Industrial_1	10.8	1.5%
Industrial_3	23.0	3.2%
No Info Given	5.4	0.8%
Res.1	8.7	1.2%
Res.2	109.1	15.4%
Res.3	234.8	33.2%
Res.4	4.8	0.7%
Schools	18.4	2.6%
Transportation	40.7	5.8%
Under Construction	26.6	3.8%
Utilities	3.5	0.5%
Vacant Undifferentiated	16.3	2.3%
Totals	707.1	100.0%

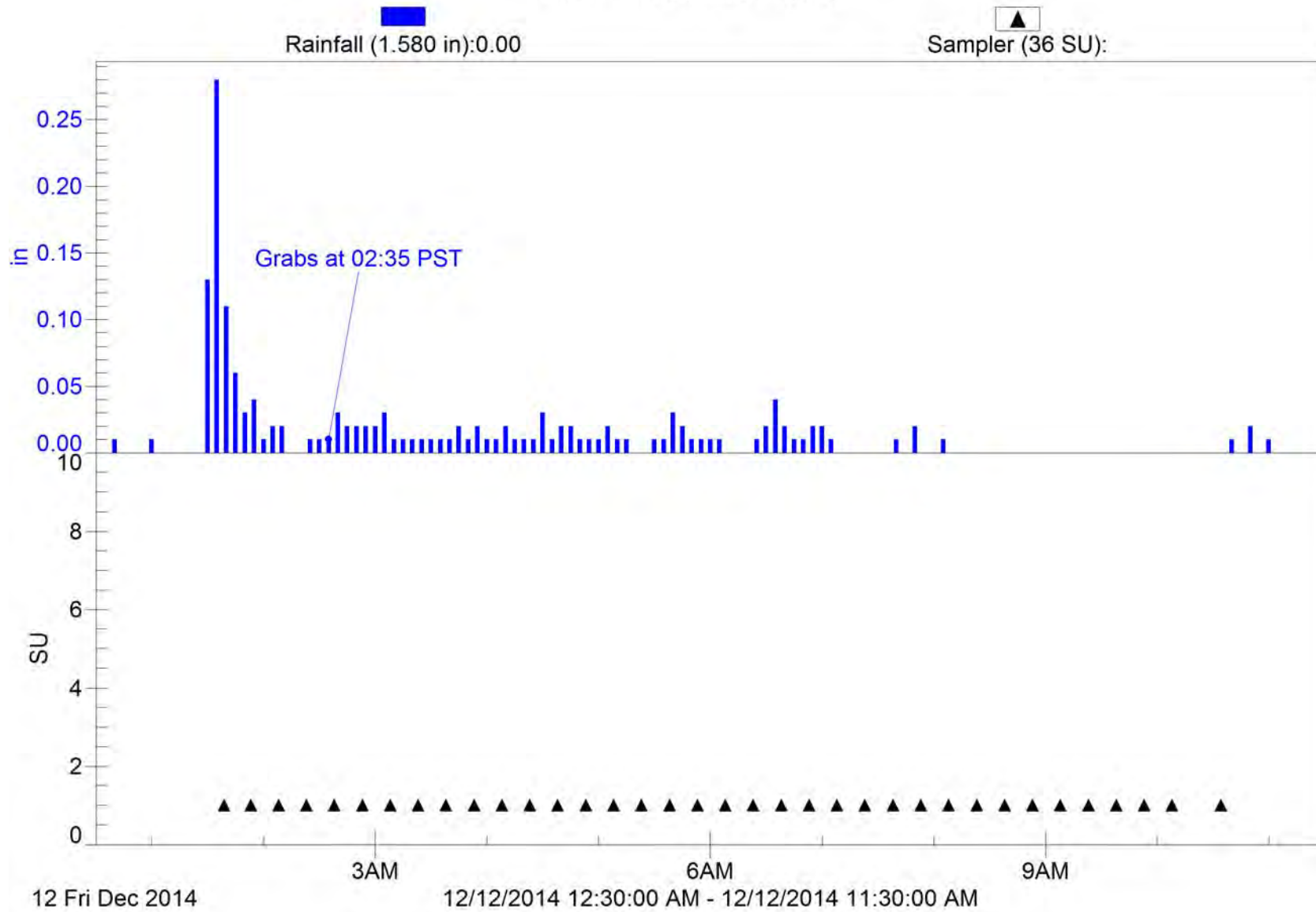
Appendix B. Event Hydrographs

ME-CC

2014/15 NPDES Event 3 (Wet)

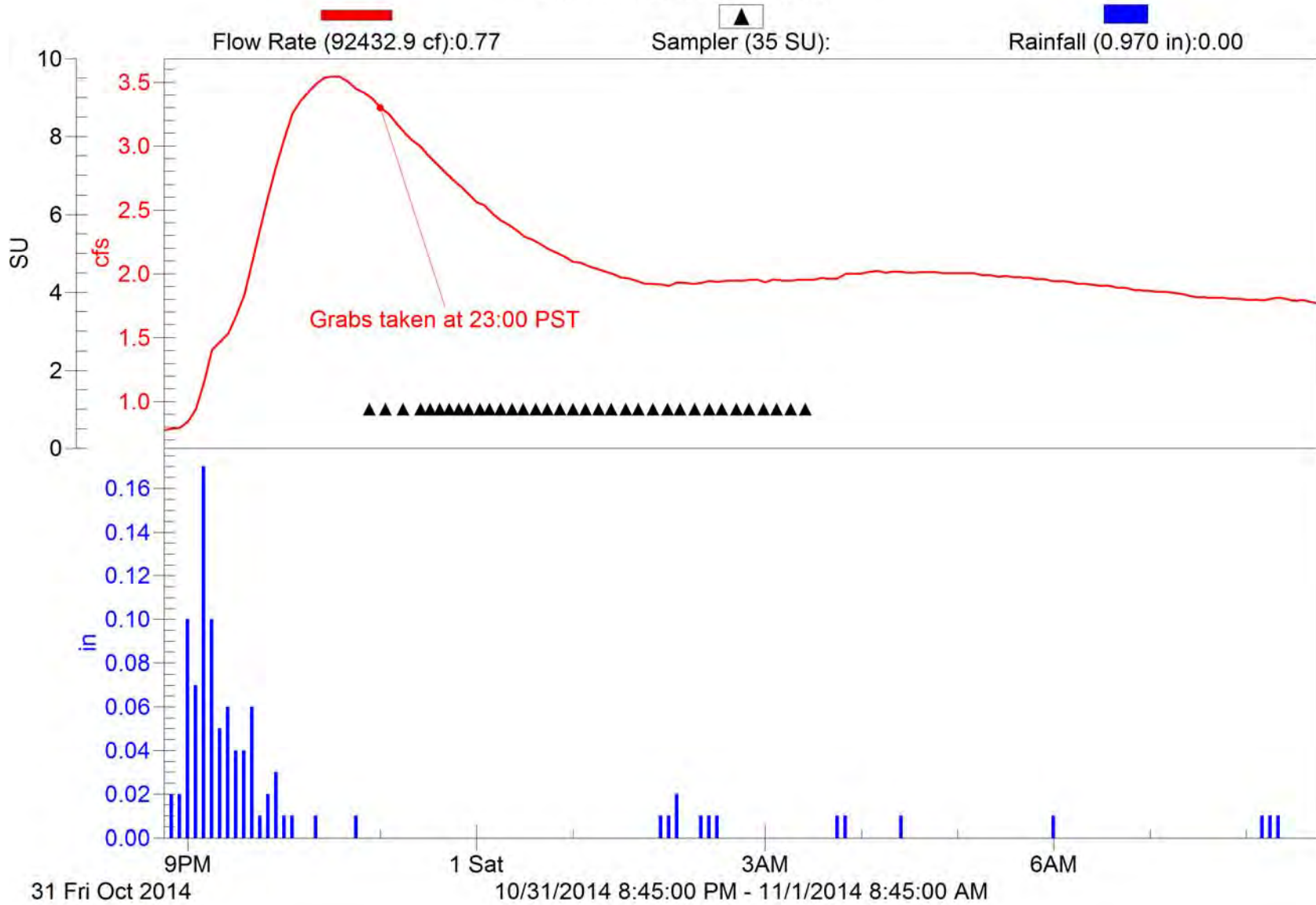


ME-SCR
2014/15 NPDES Event #3 (Wet)



ME-VR2

2014/15 NPDES Event #1 (Wet)



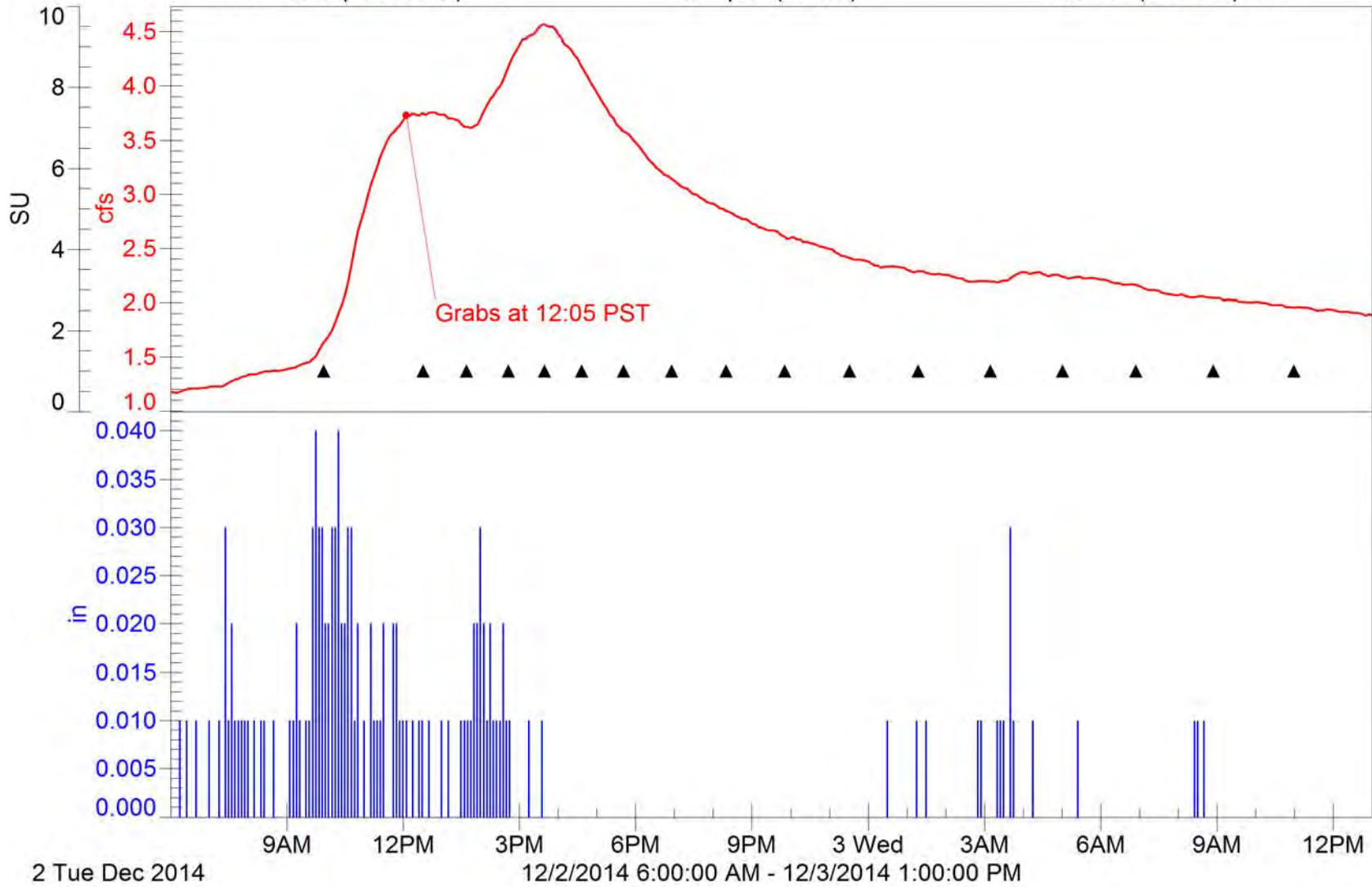
ME-VR2

2014/15 NPDES Event #2 (Wet)

Flow Rate (284865 cf):1.17

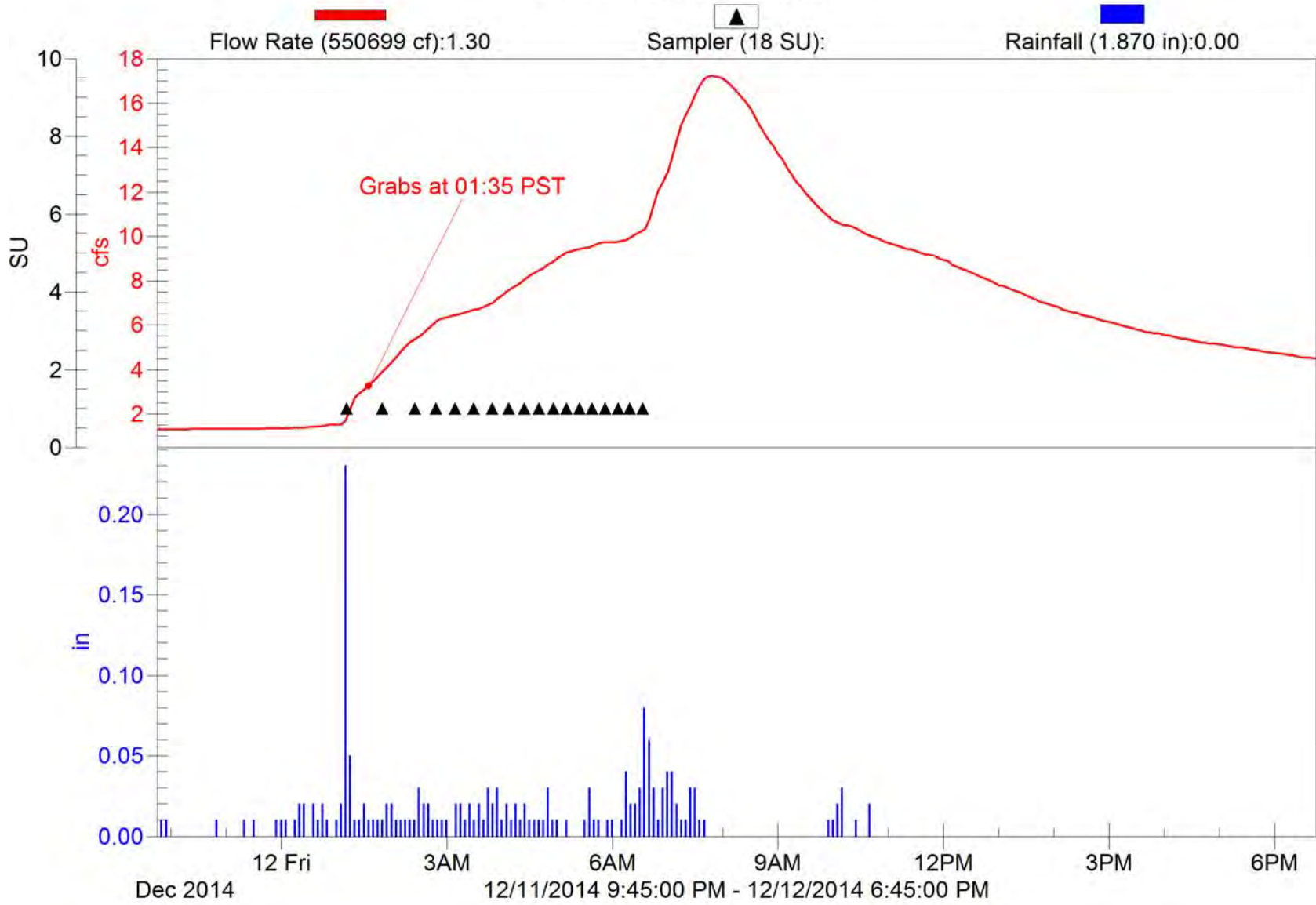
Sampler (17 SU):

Rainfall (1.300 in):0.00



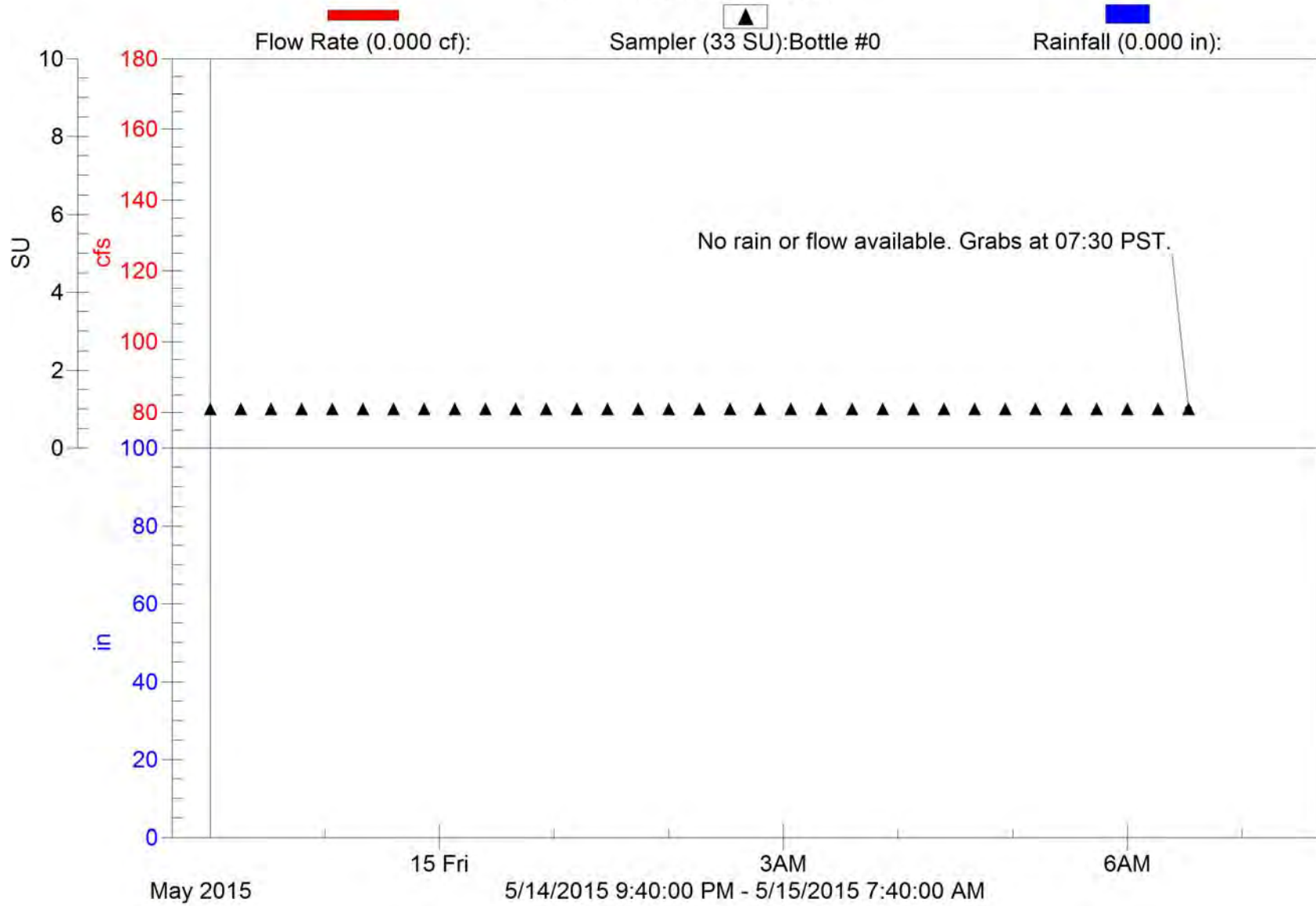
ME-VR2

2014/15 NPDES Event #3 (Wet)



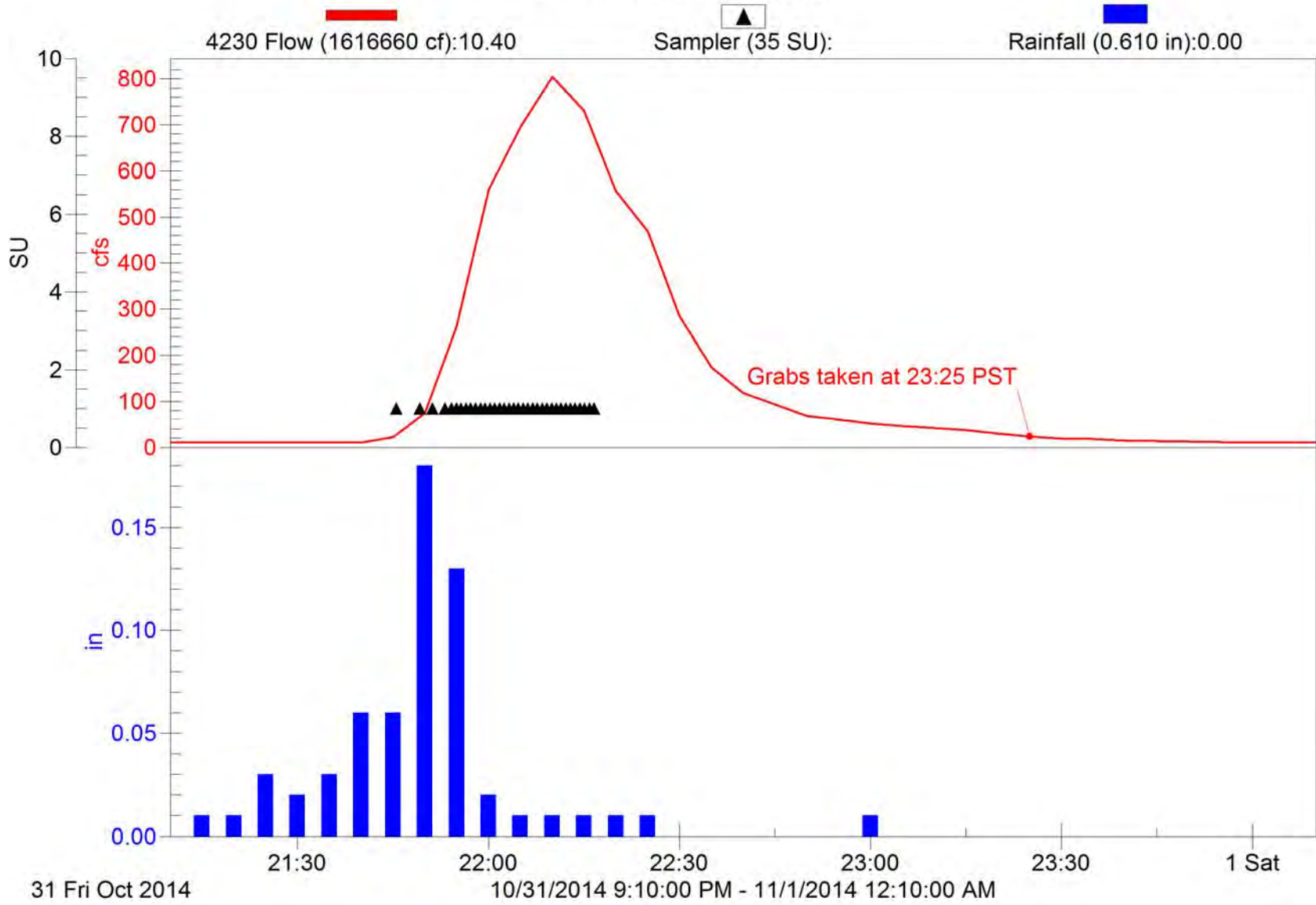
ME-VR2

2014/15 NPDES Event #5 (Wet)



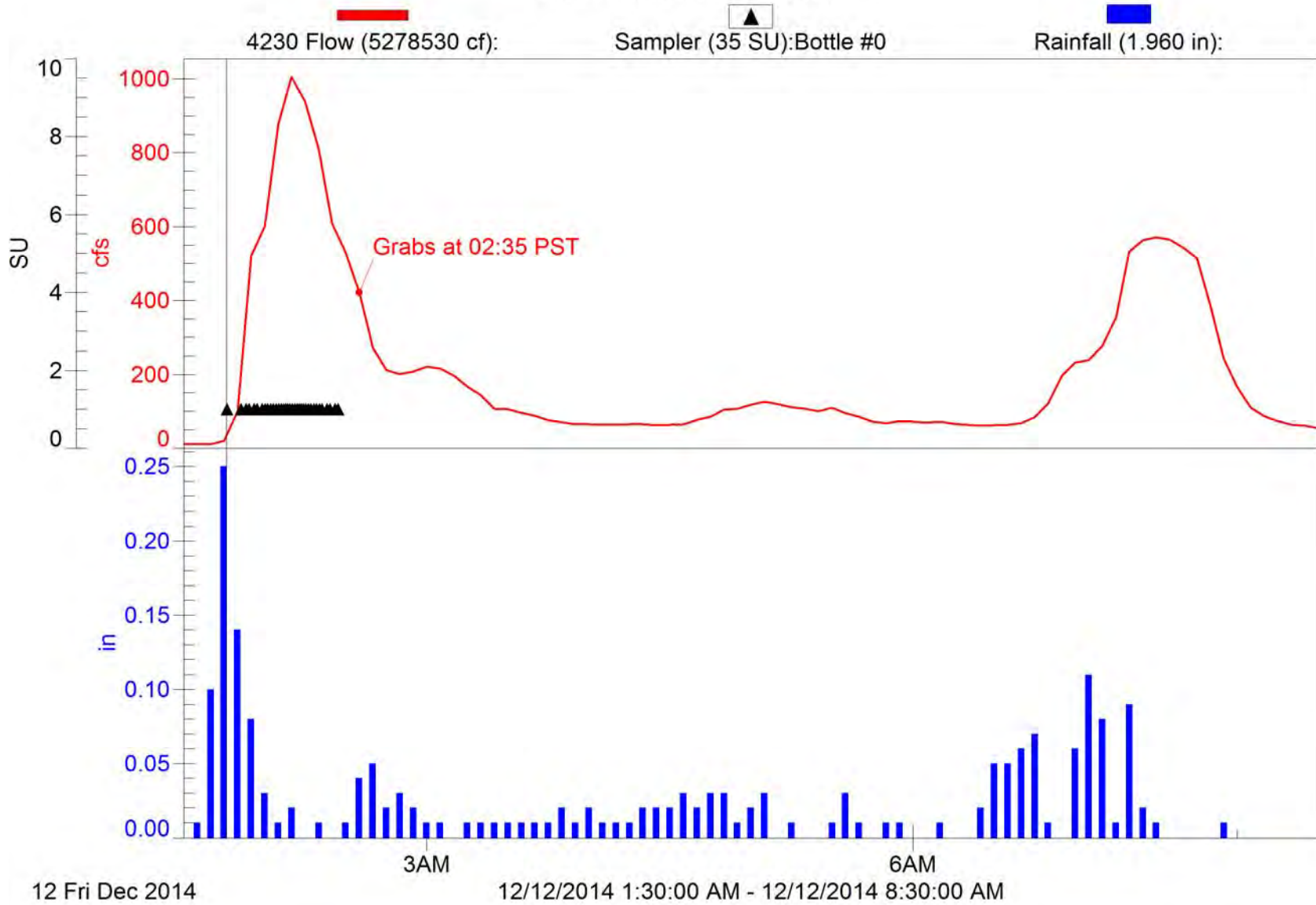
Camarillo-1

2014/15 NPDES Event #1 (Wet)



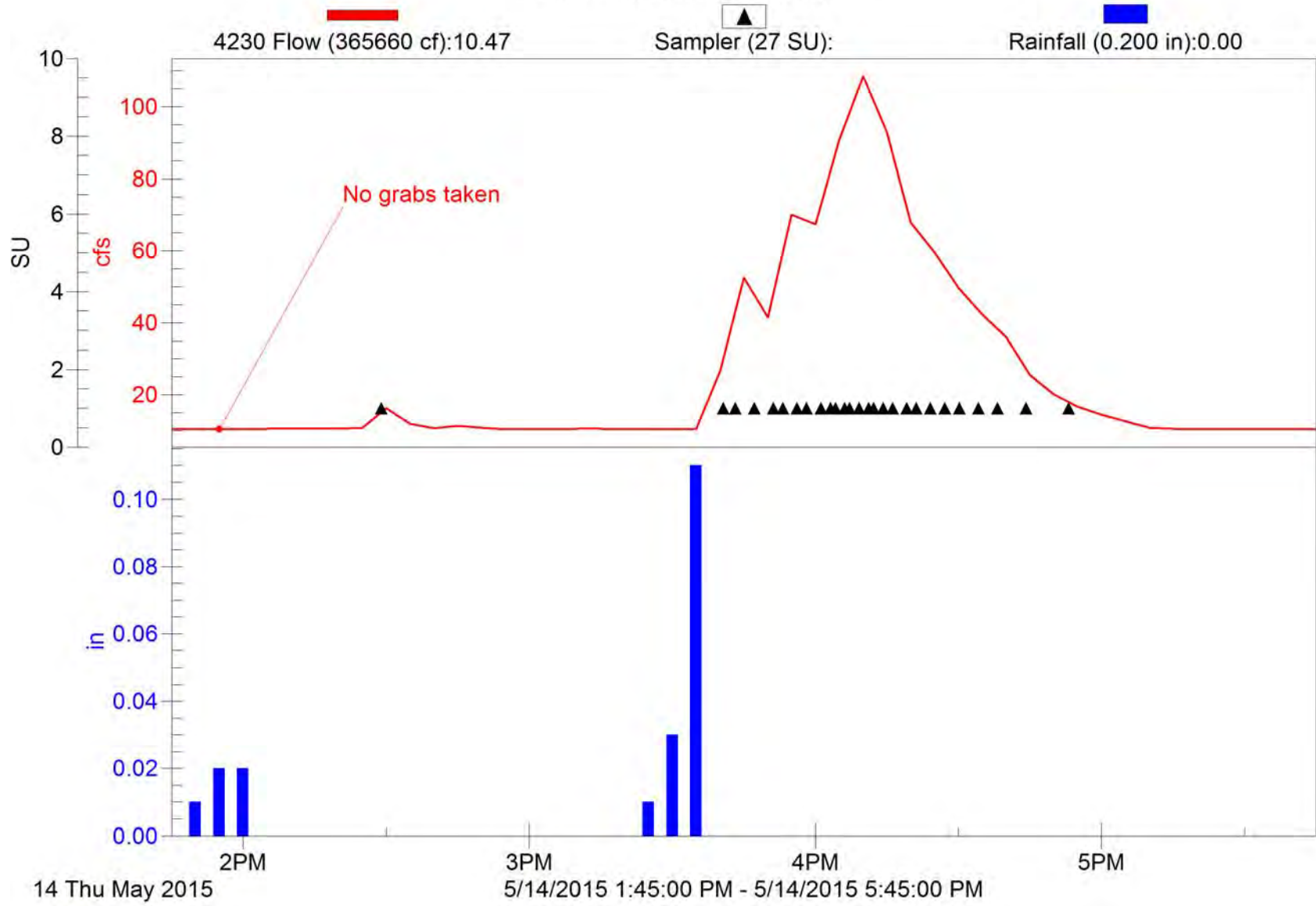
Camarillo-1

2014/15 NPDES Event #3 (Wet)

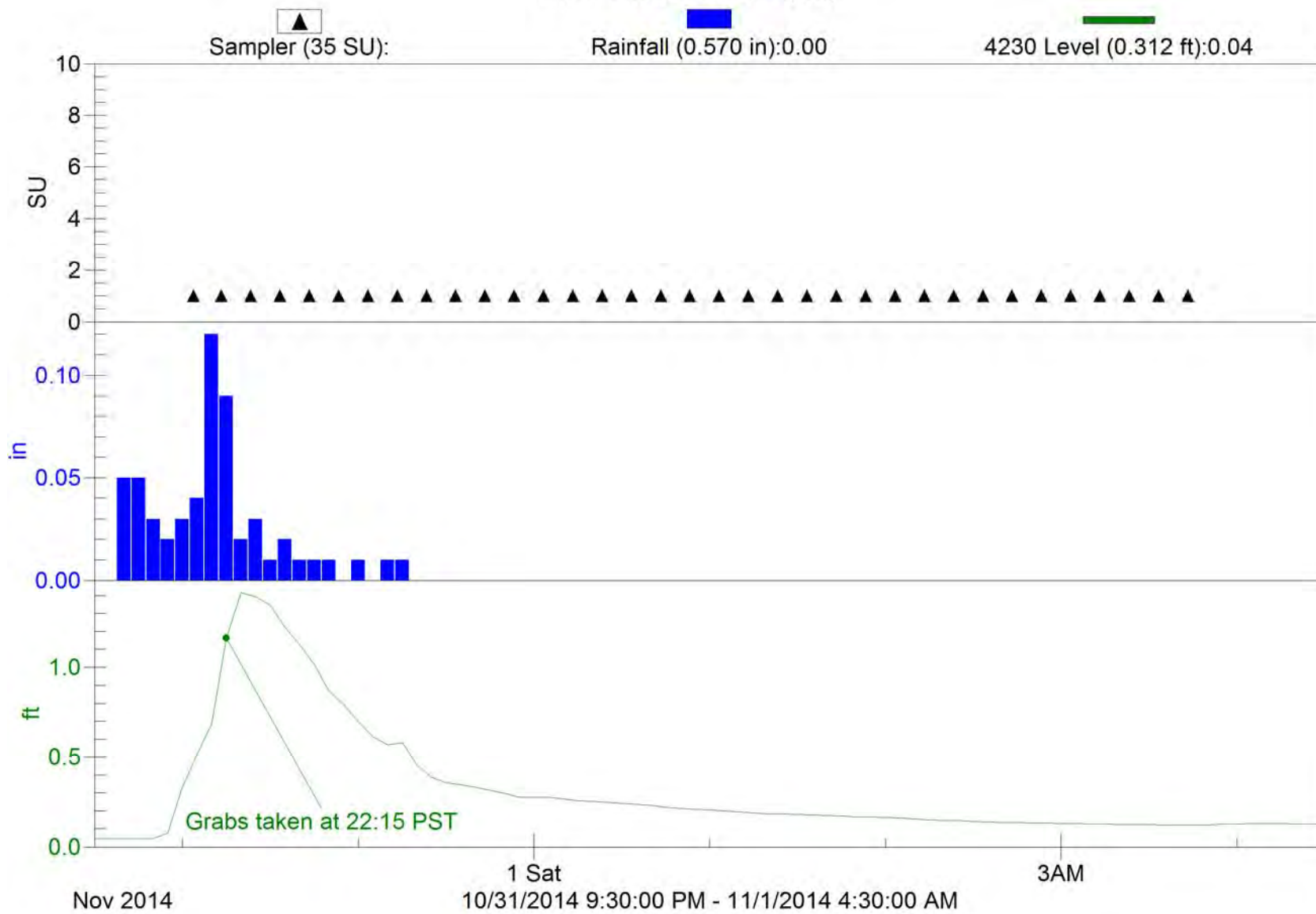


Camarillo-1

2014/15 NPDES Event #5 (Wet)

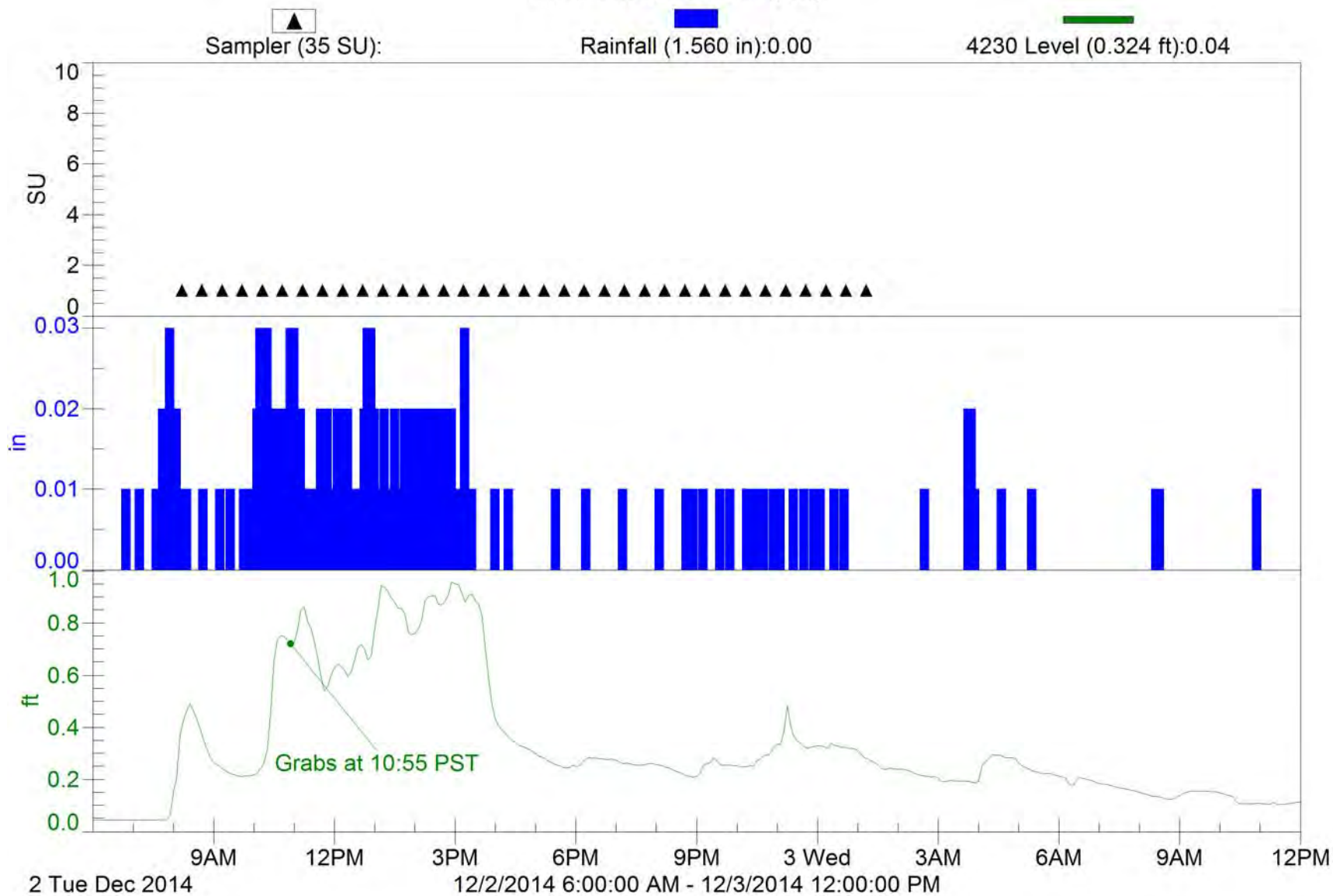


Fillmore-1 2014/15 NPDES Event #1 (Wet)



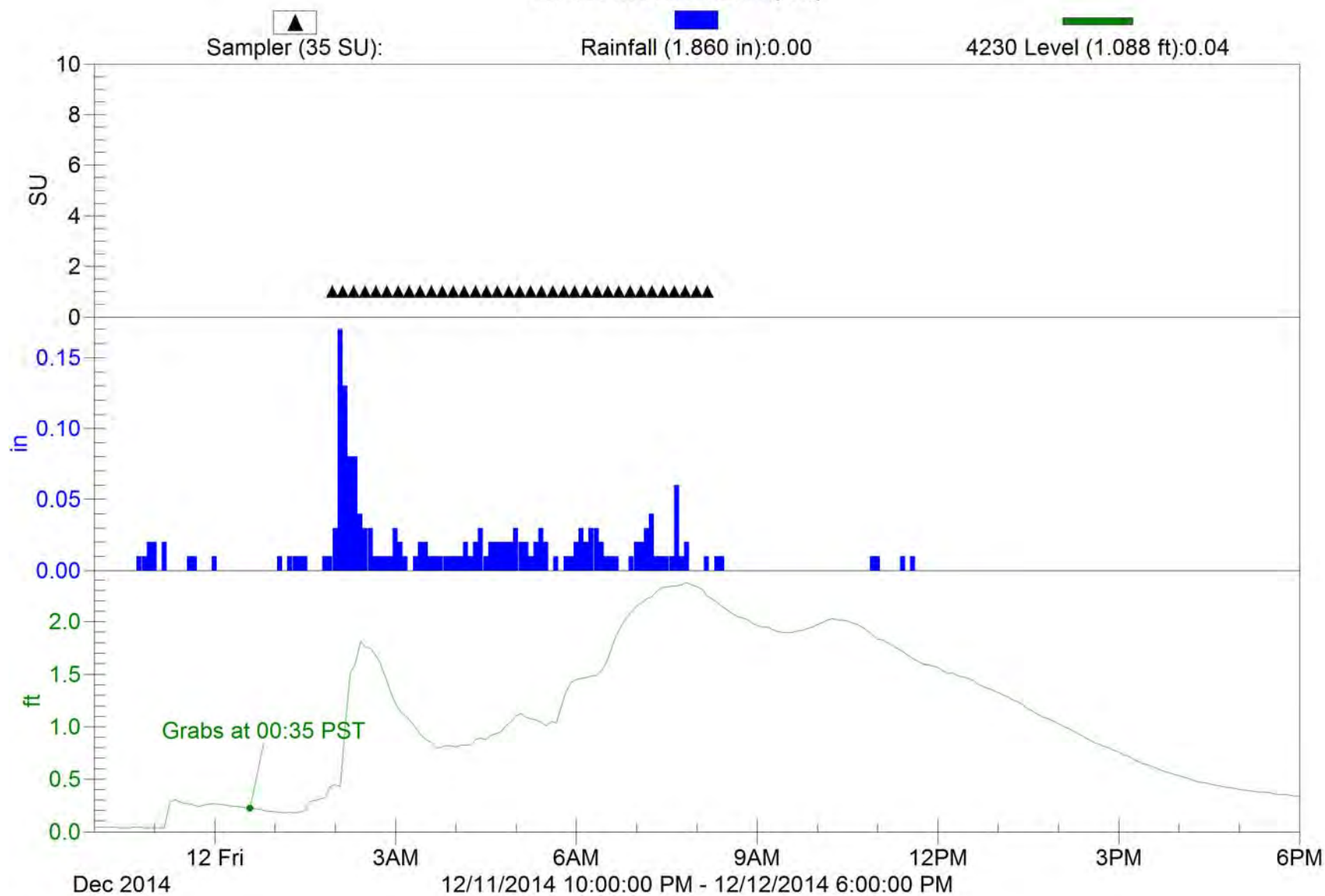
Fillmore-1

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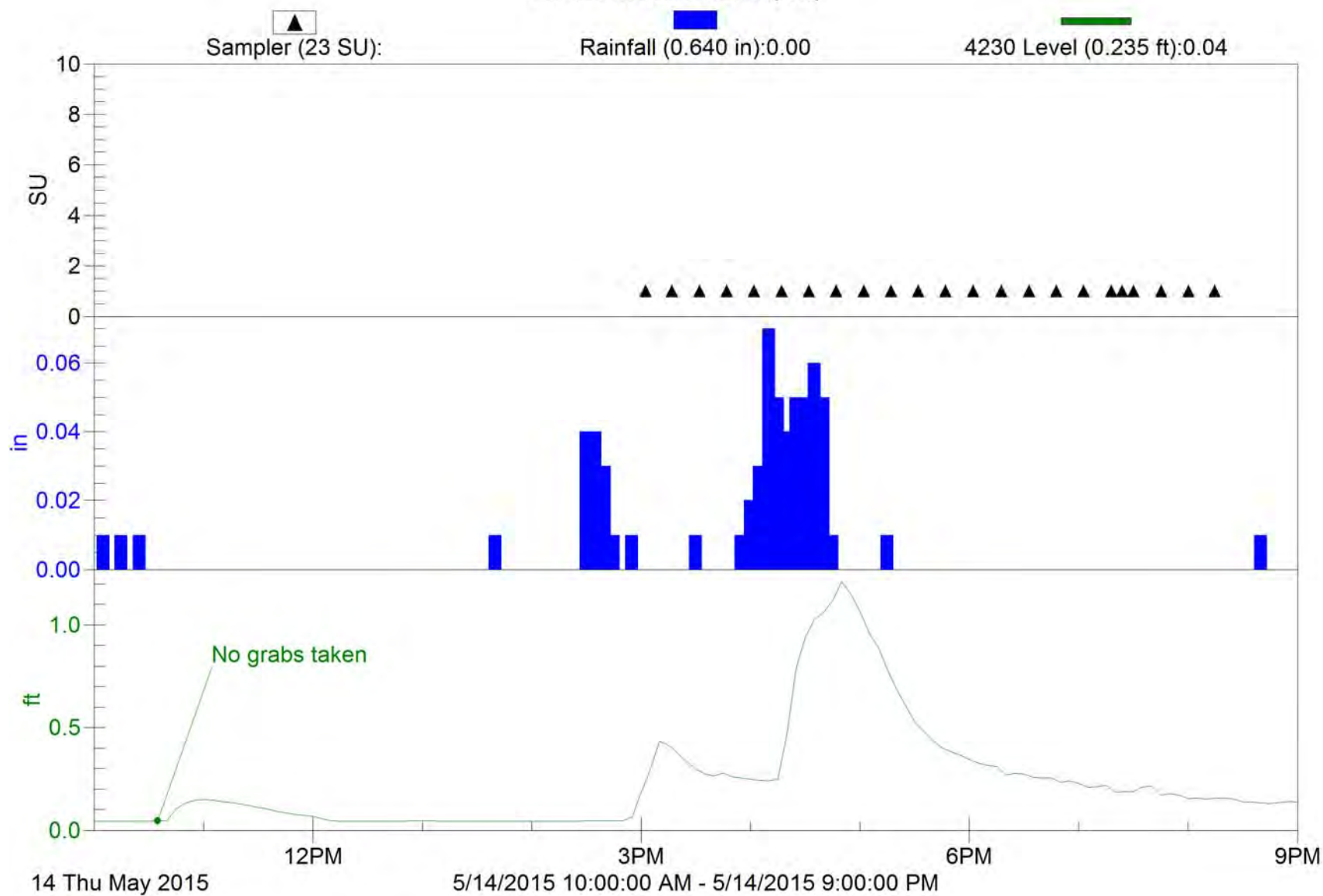
Fillmore-1

2014/15 NPDES Event #3 (Wet)



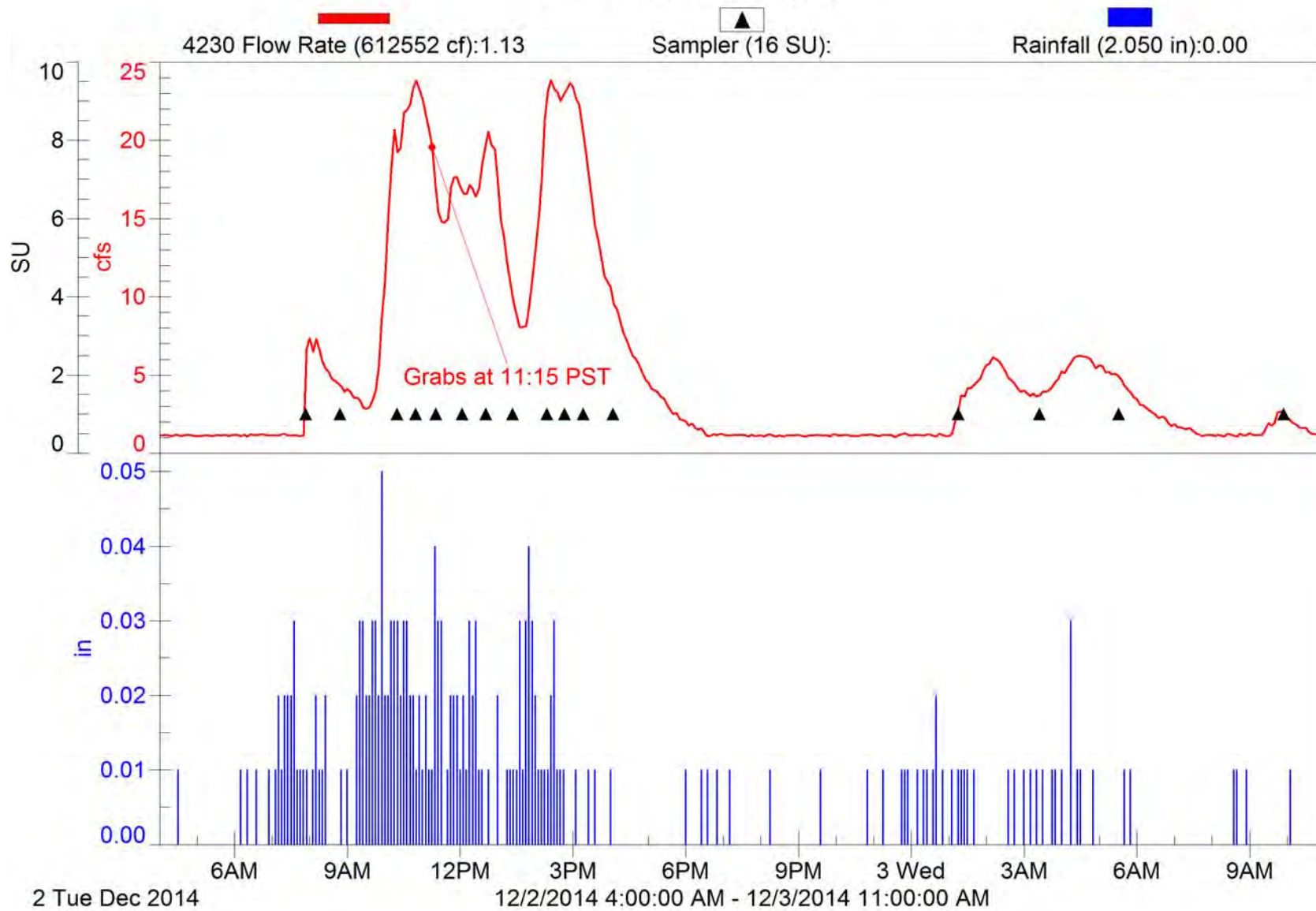
Fillmore-1

2014/15 NPDES Event #5 (Wet)



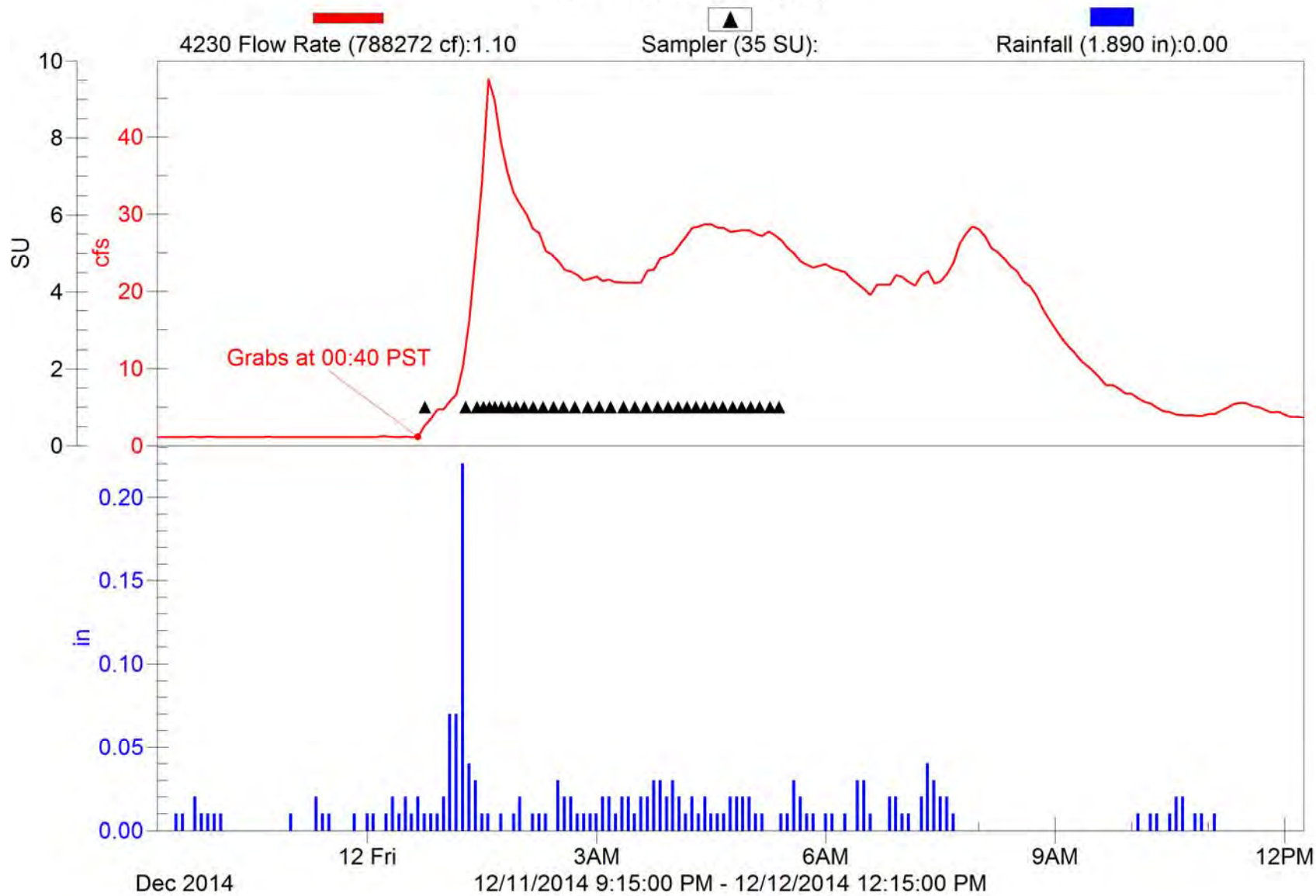
Meiners Oaks-1

2014/15 NPDES Event #2 (Wet)



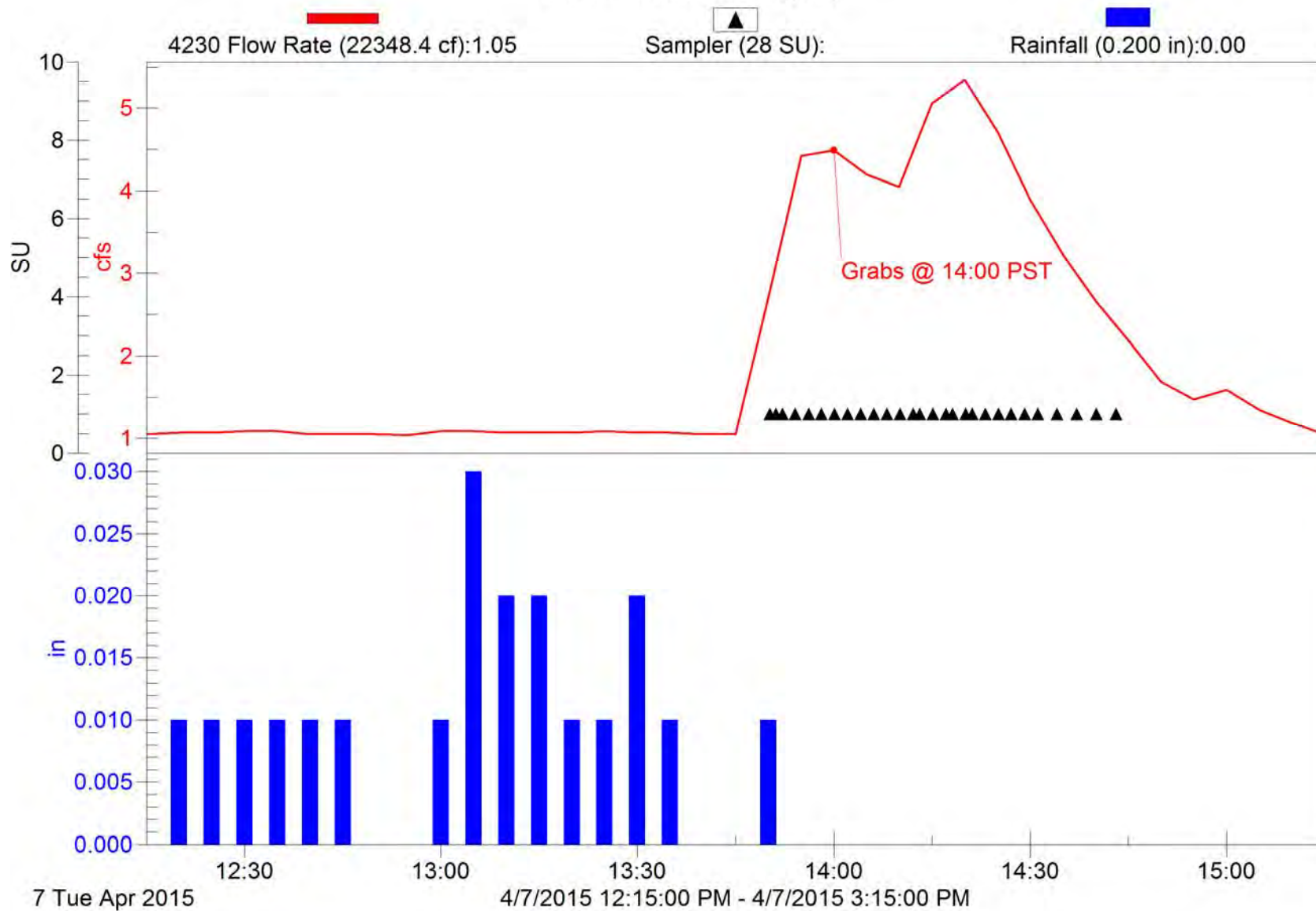
Meiners Oaks-1

2014/15 NPDES Event #3 (Wet)



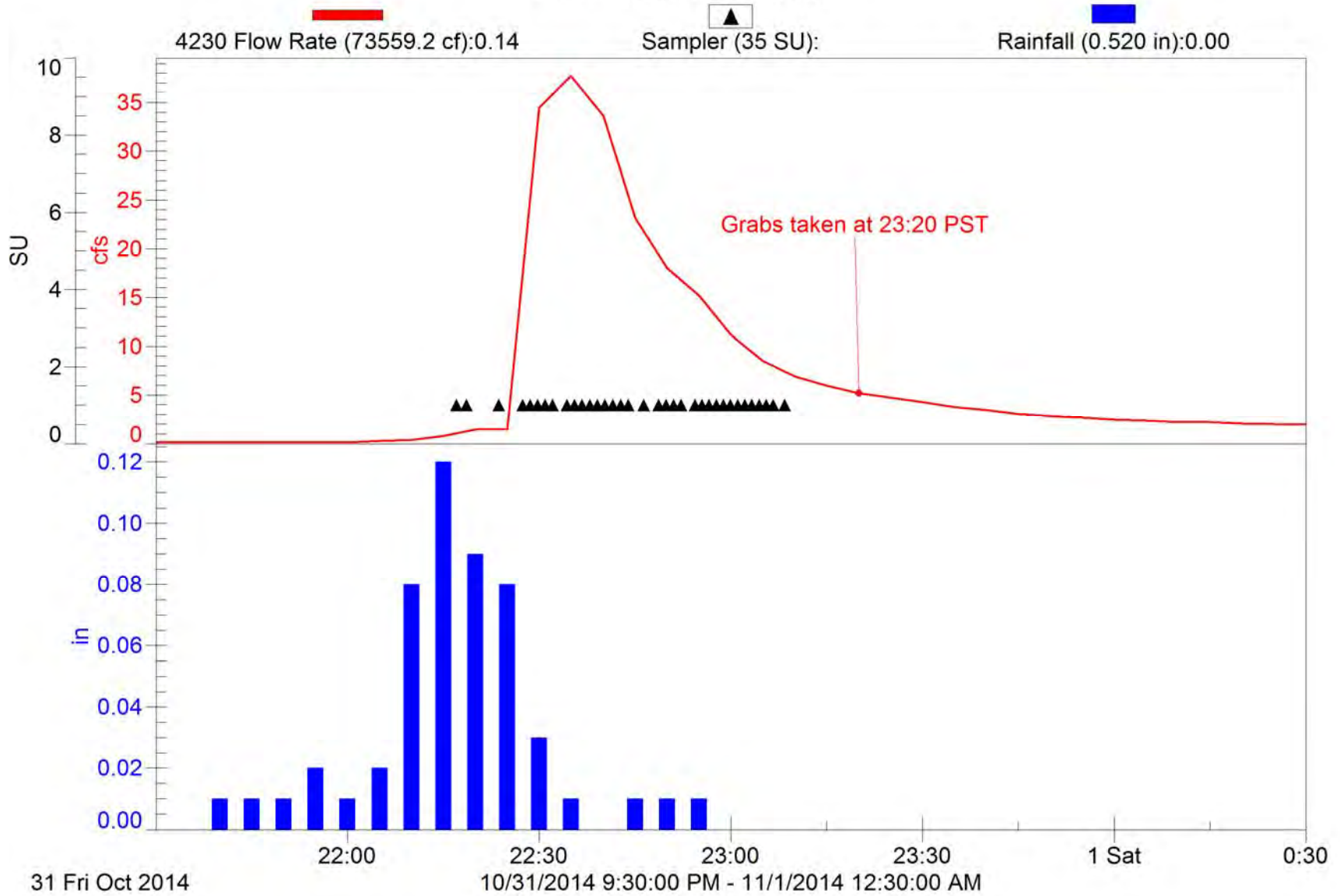
Meiners Oaks-1

2014/15 NPDES Event #4 (Wet)



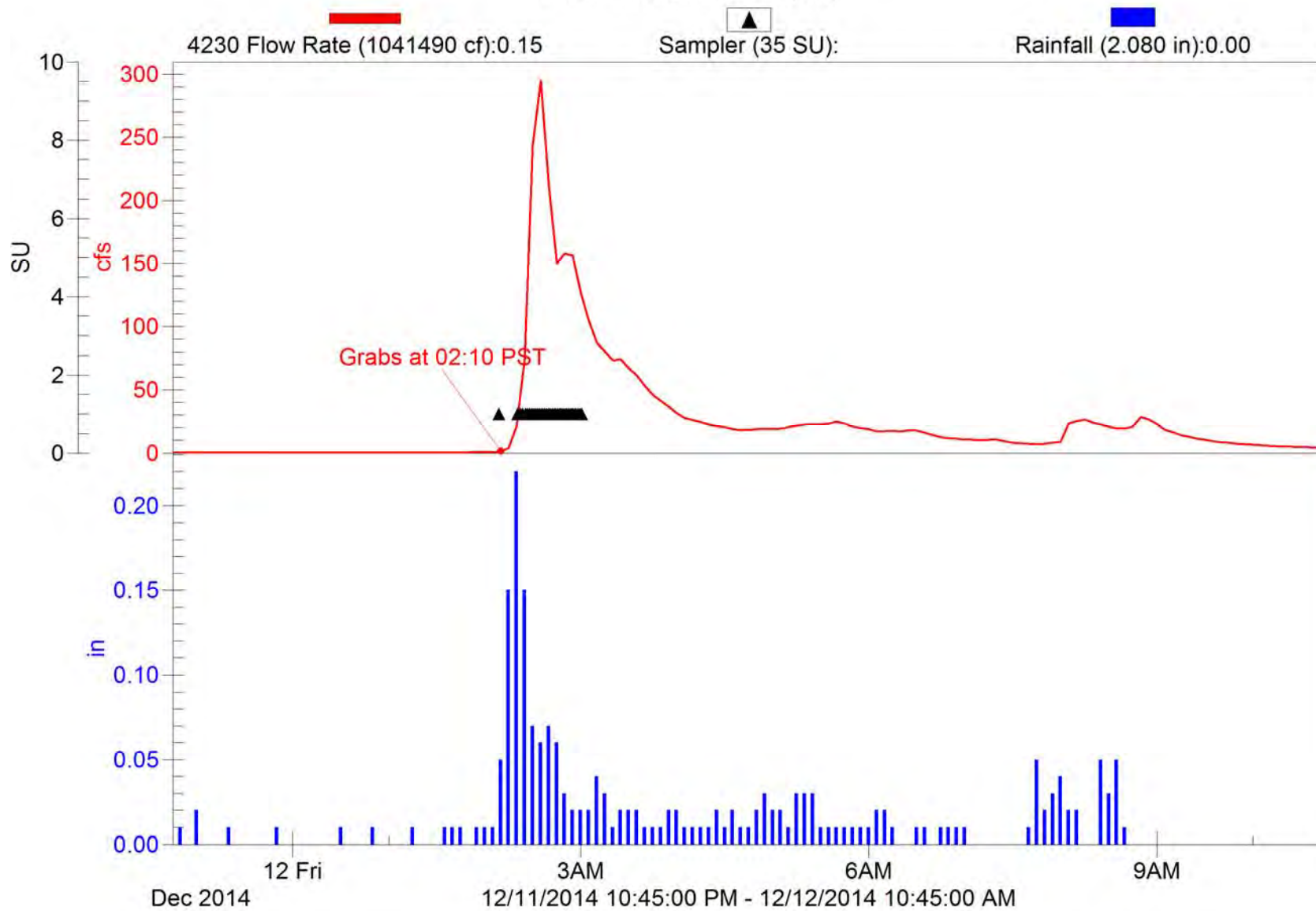
Moorpark-1

2014/15 NPDES Event #1 (Wet)



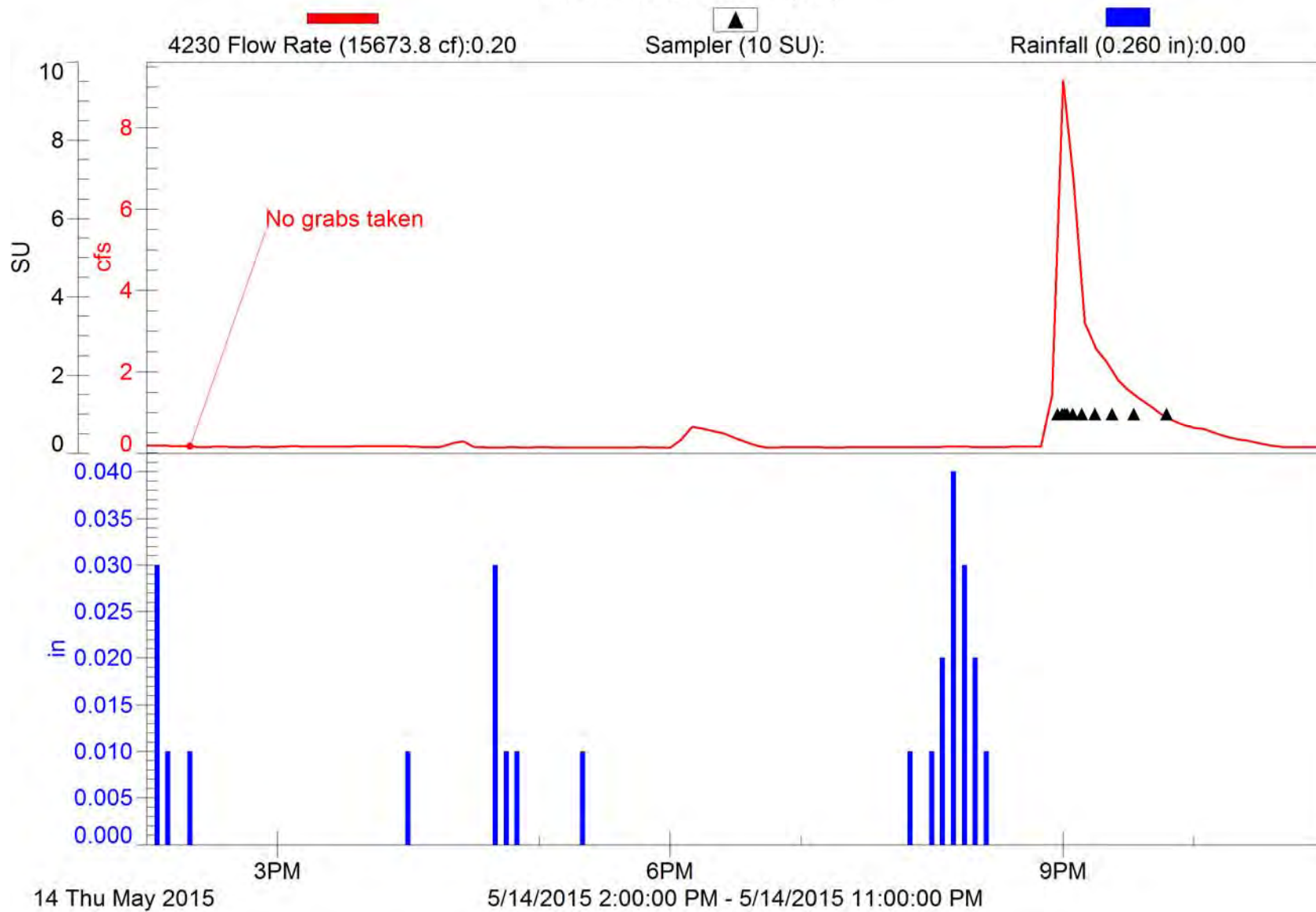
Moorpark-1

2014/15 NPDES Event #3 (Wet)



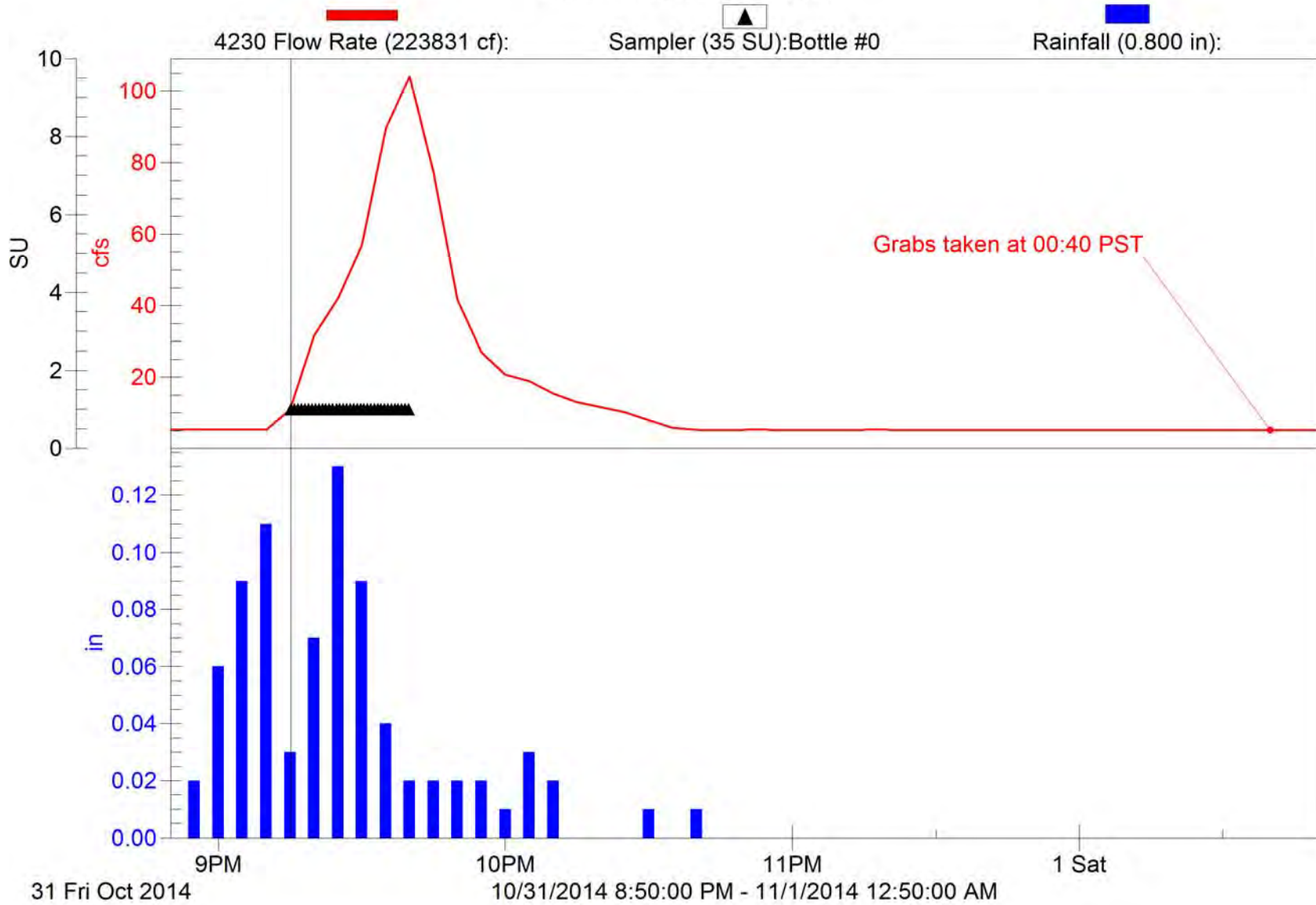
Moorpark-1

2014/15 NPDES Event #5 (Wet)



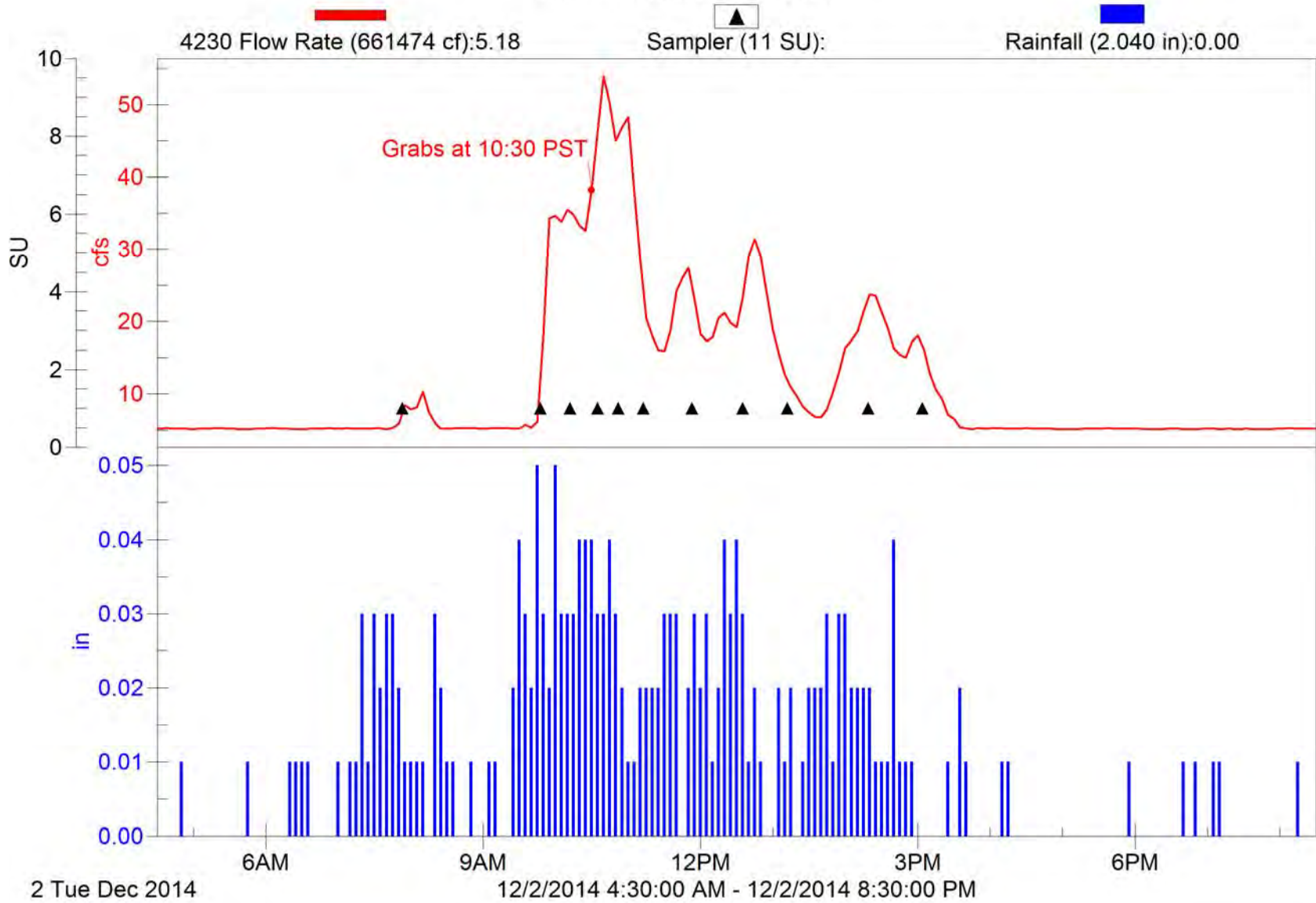
Ojai-1

2014/15 NPDES Event #1 (Wet)



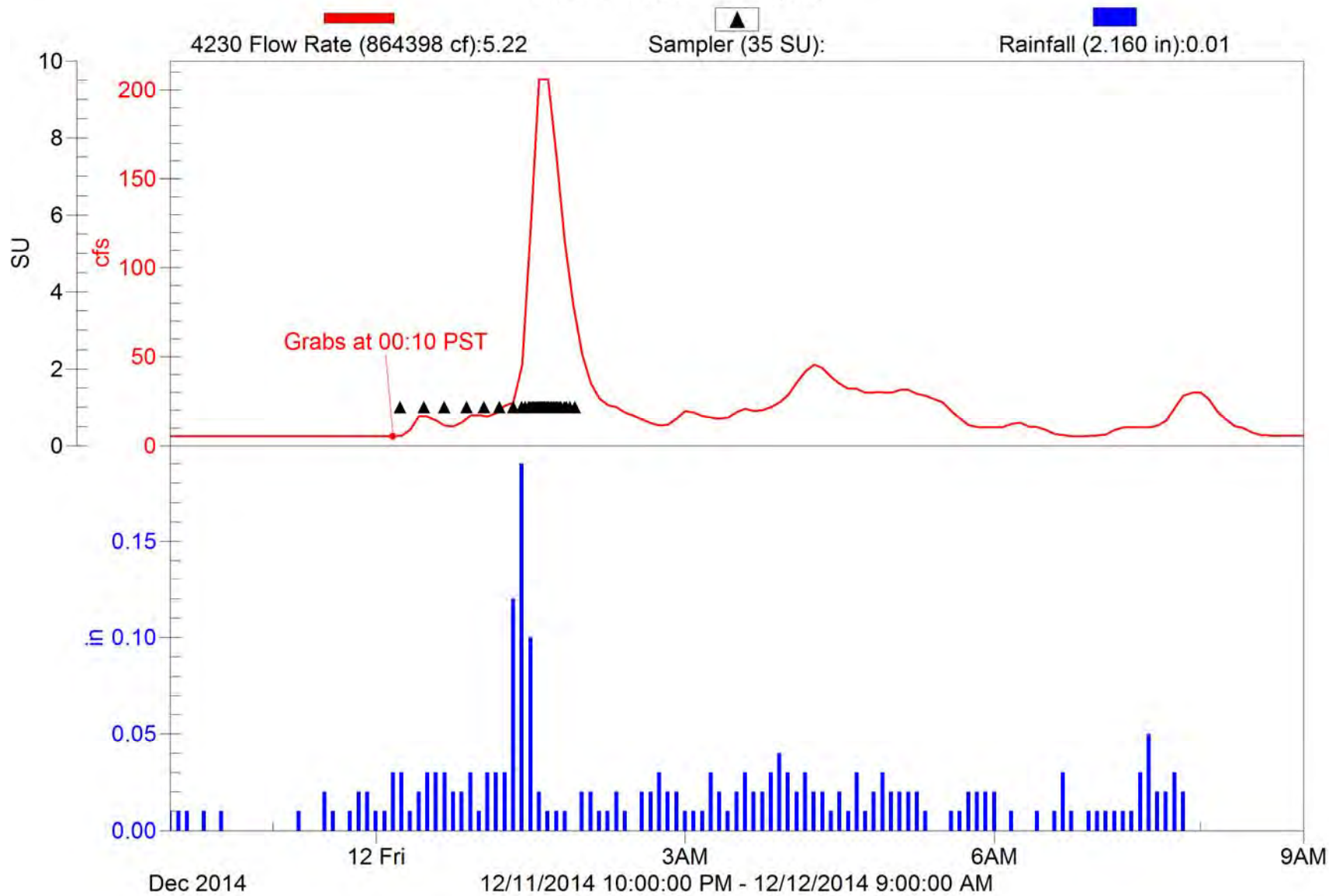
Ojai-1

2014/15 NPDES Event #2 (Wet)



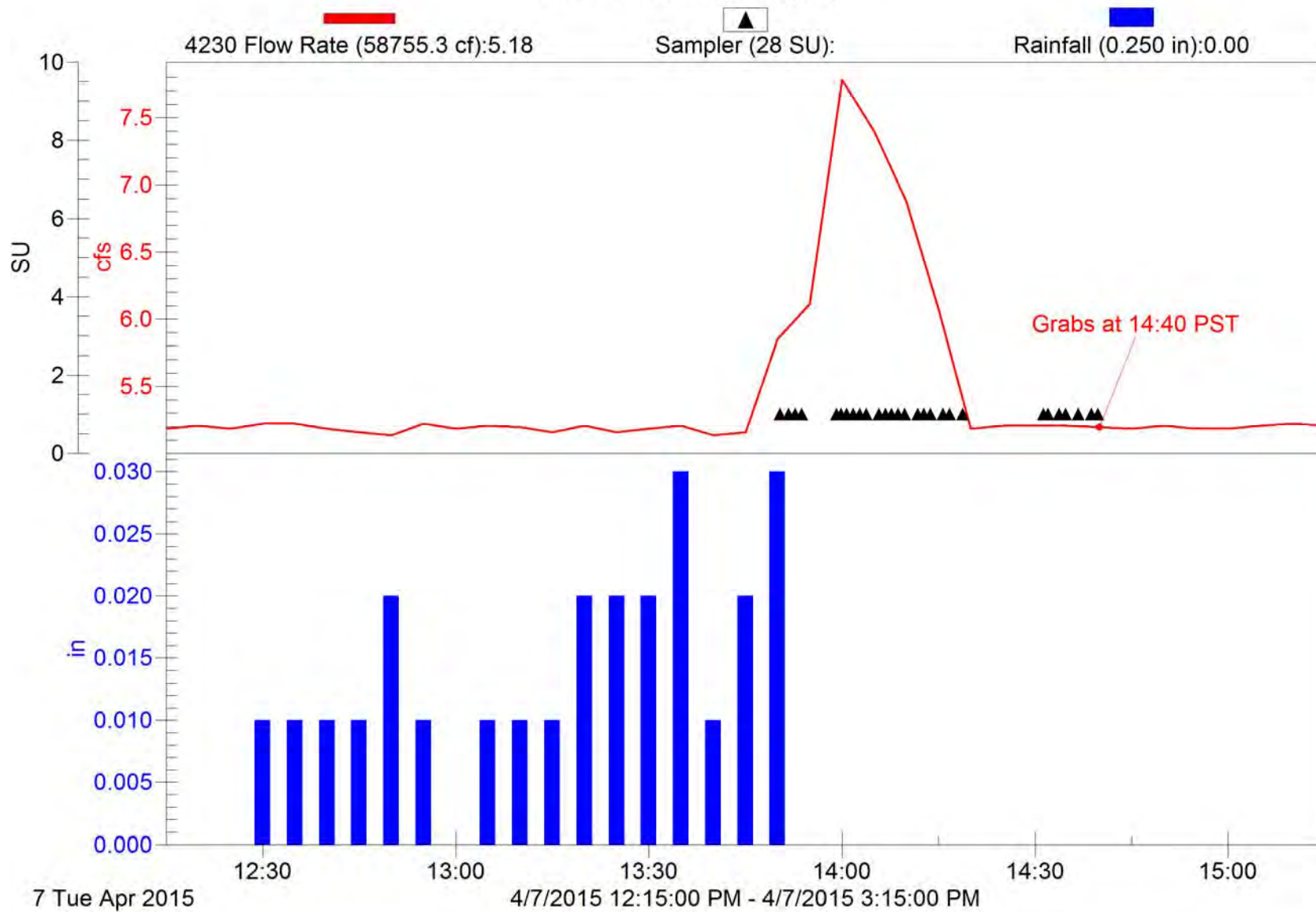
Ojai-1

2014/15 NPDES Event #3 (Wet)



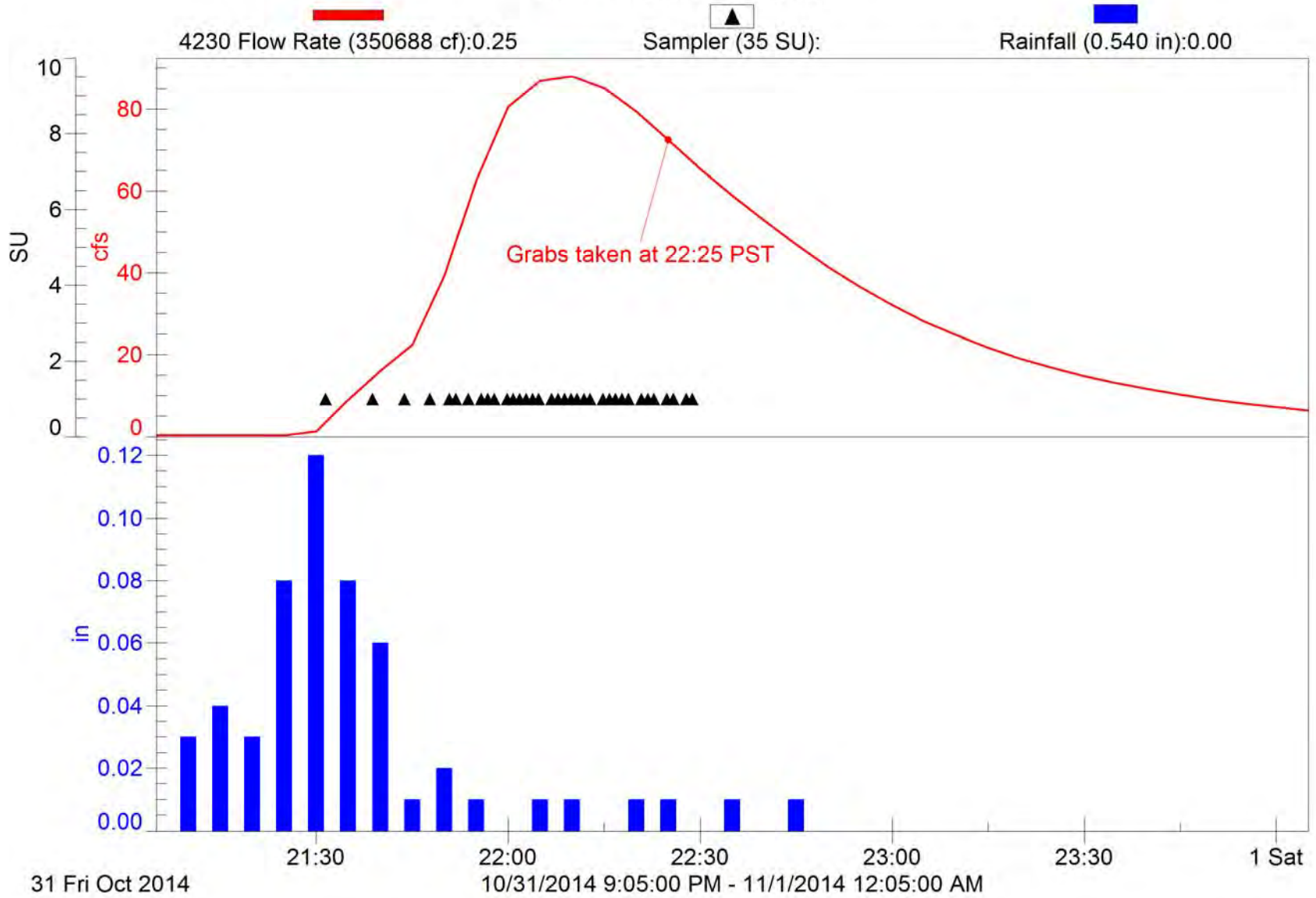
Ojai-1

2014/15 NPDES Event #4 (Wet)



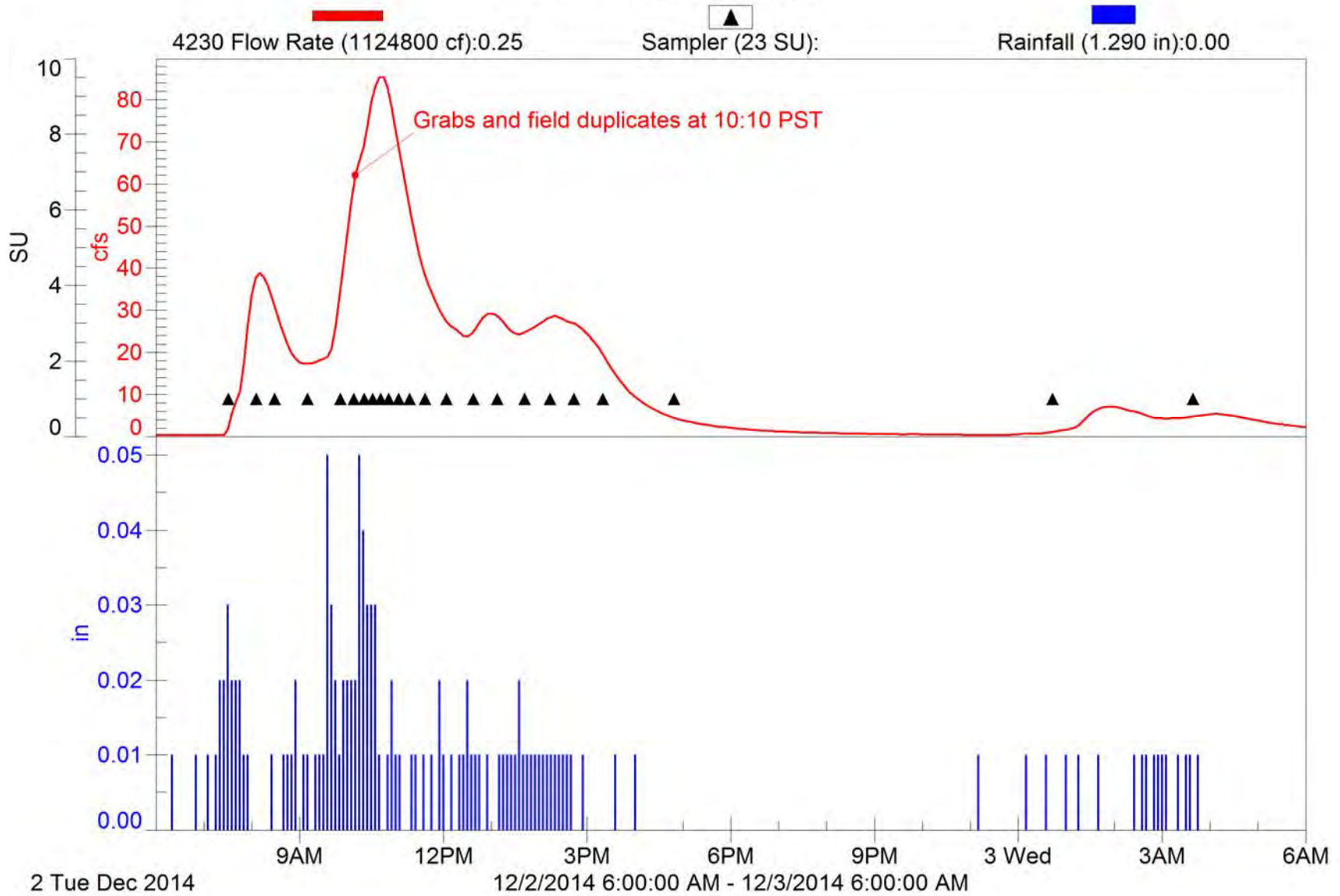
Oxnard-1

2014/15 NPDES Event #1 (Wet)



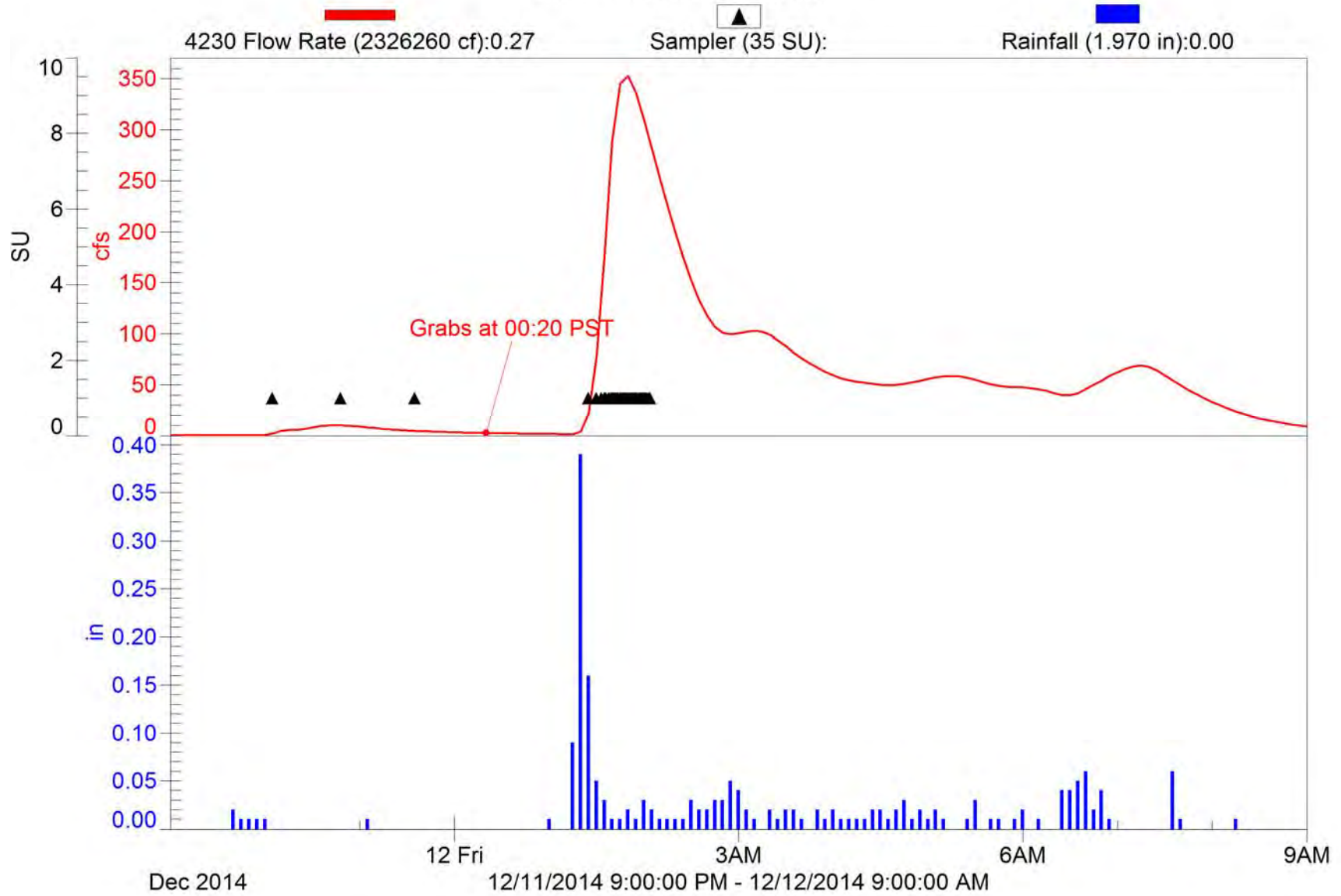
Oxnard-1

2014/15 NPDES Event #2 (Wet)



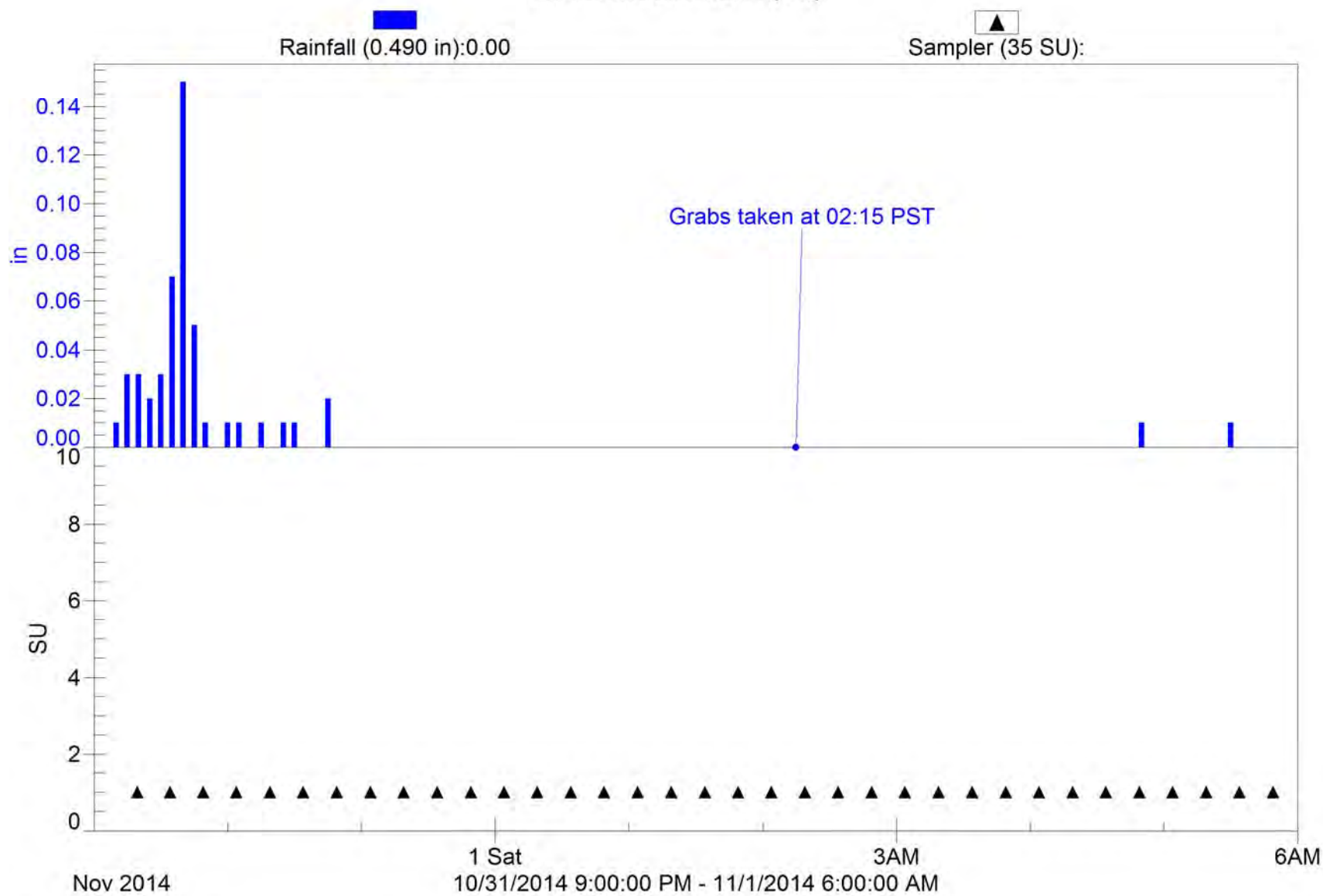
Oxnard-1

2014/15 NPDES Event #3 (Wet)



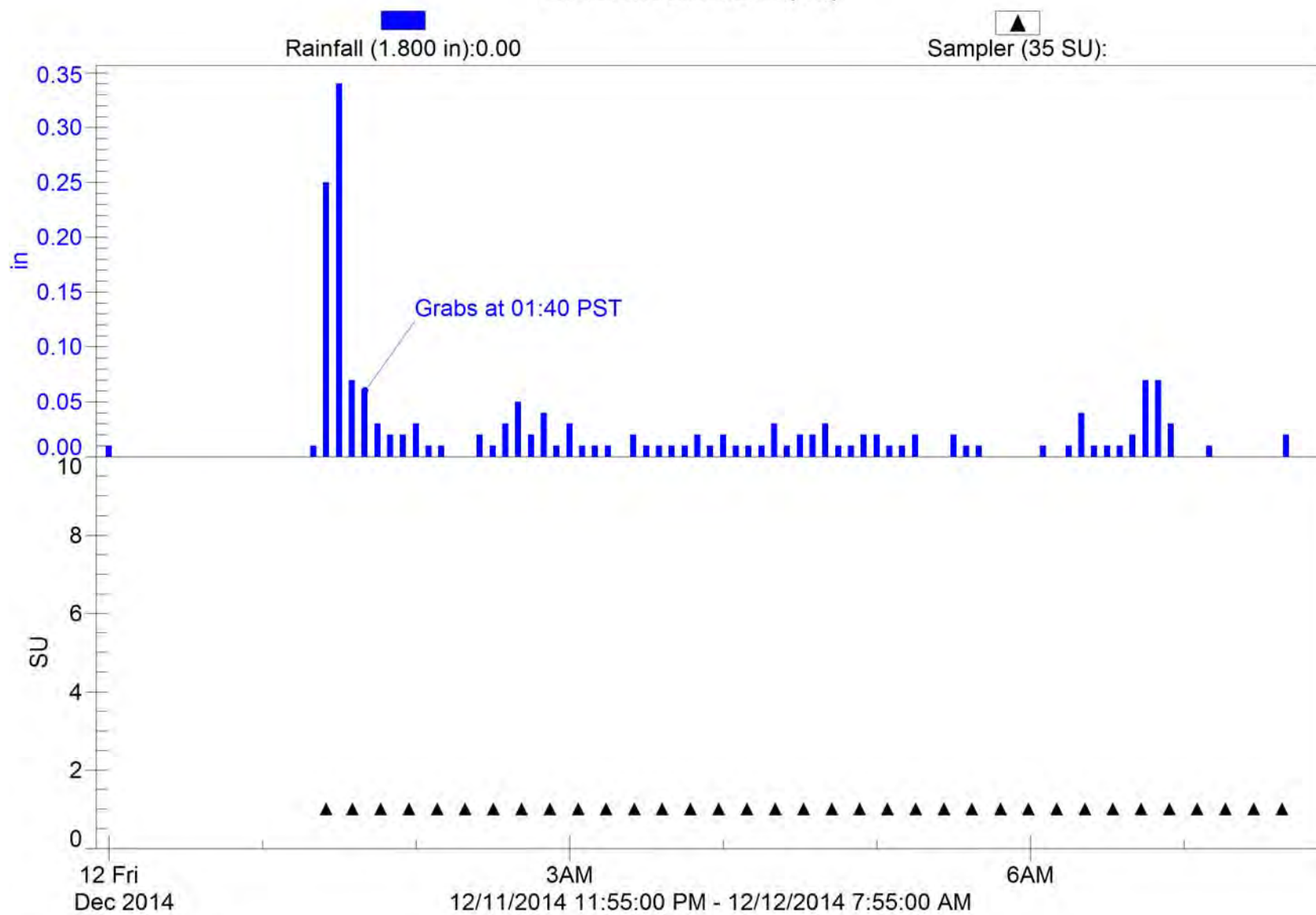
Port Hueneme-1

2014/15 NPDES Event #1 (Wet)



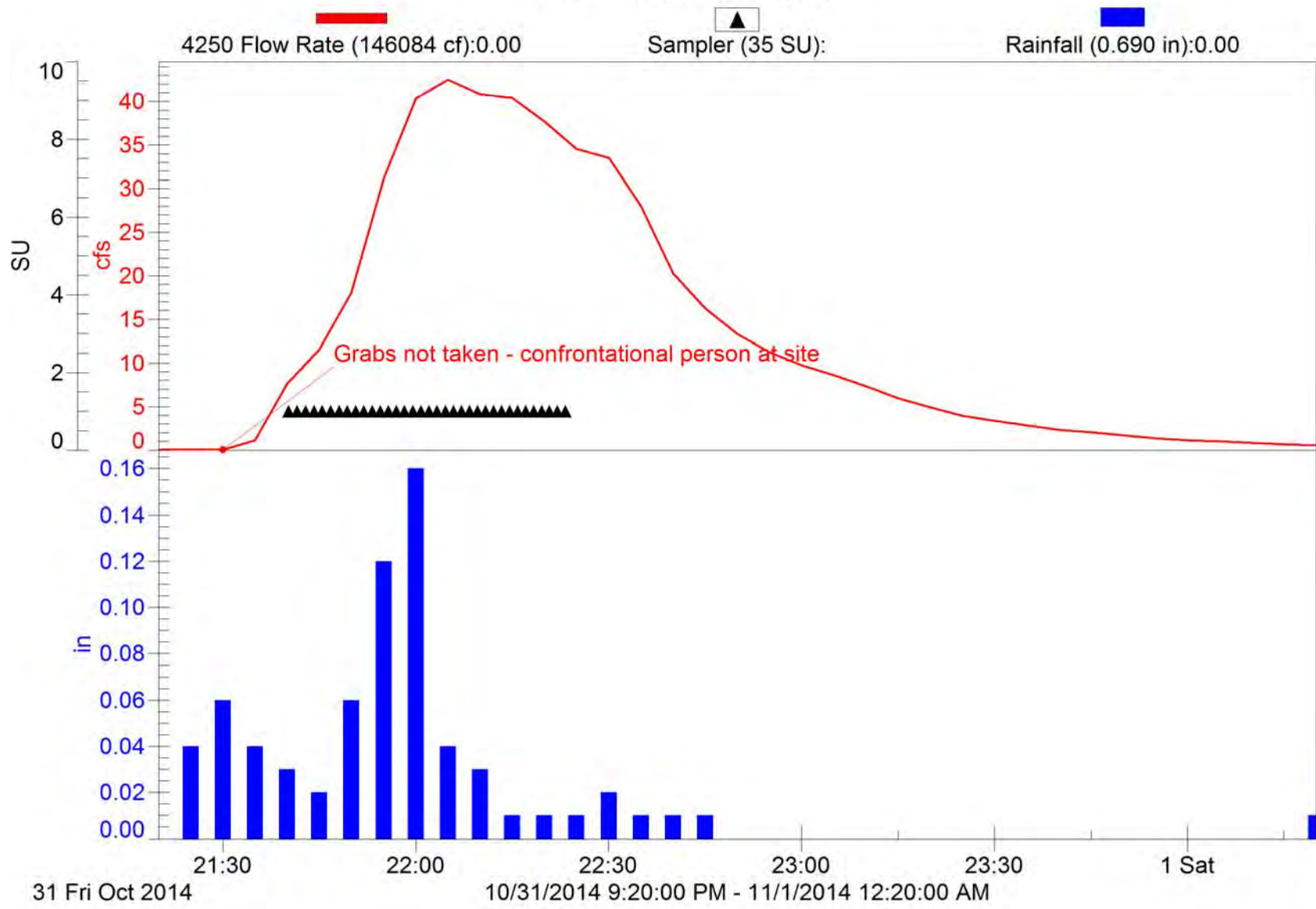
Port Hueneme-1

2014/15 NPDES Event #3 (Wet)



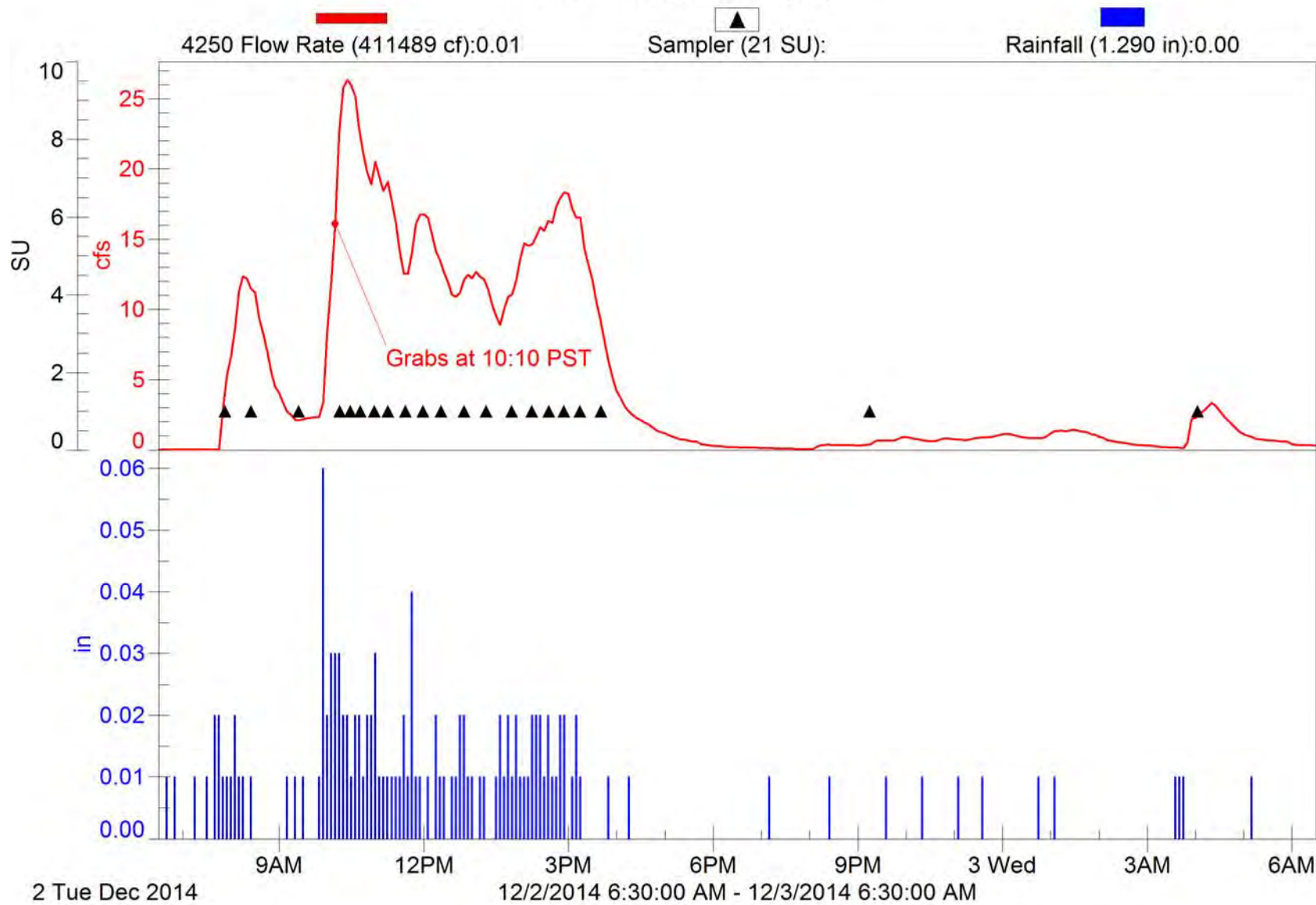
Santa Paula-1

2014/15 NPDES Event #1 (Wet)



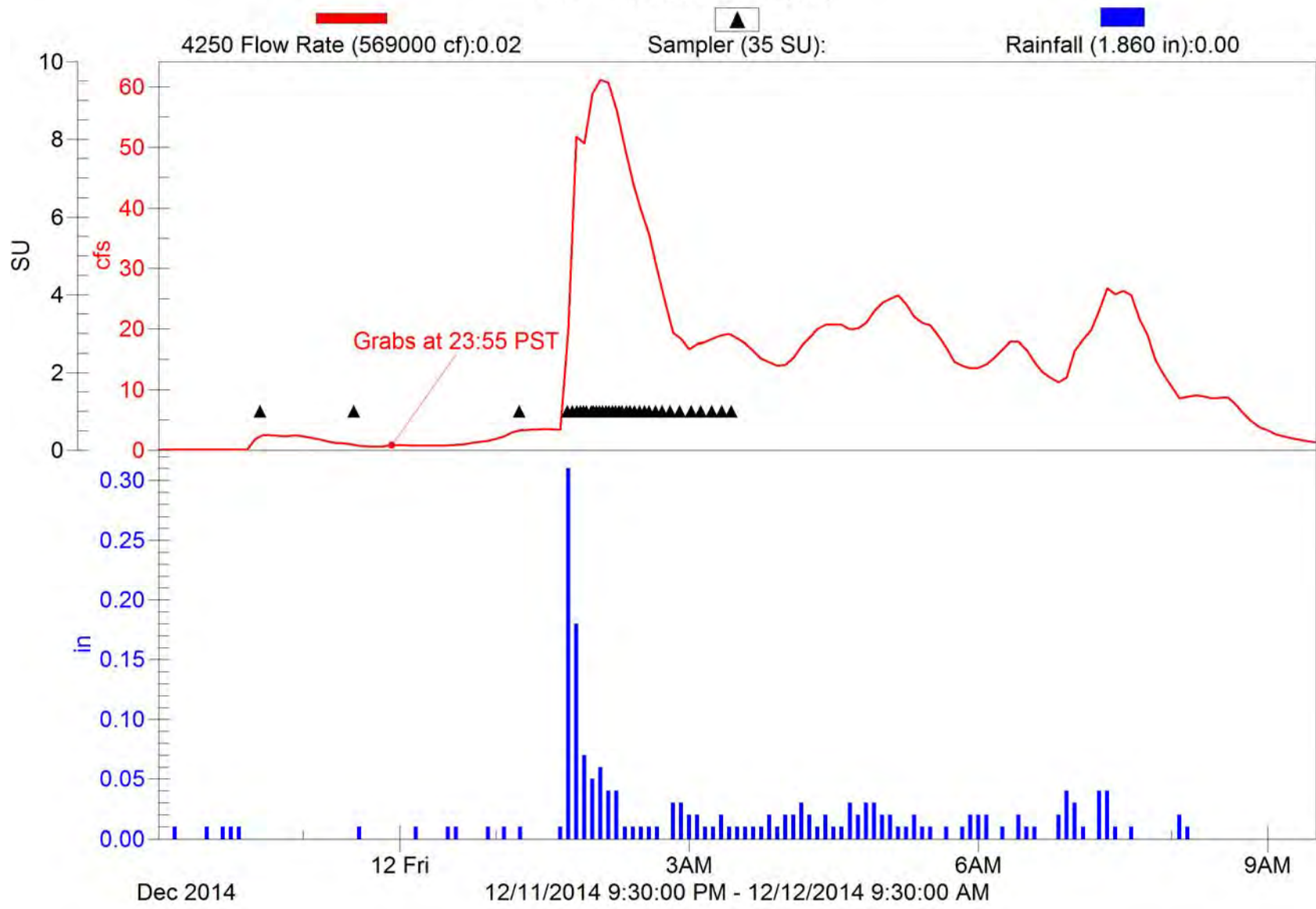
Santa Paula-1

2014/15 NPDES Event #2 (Wet)



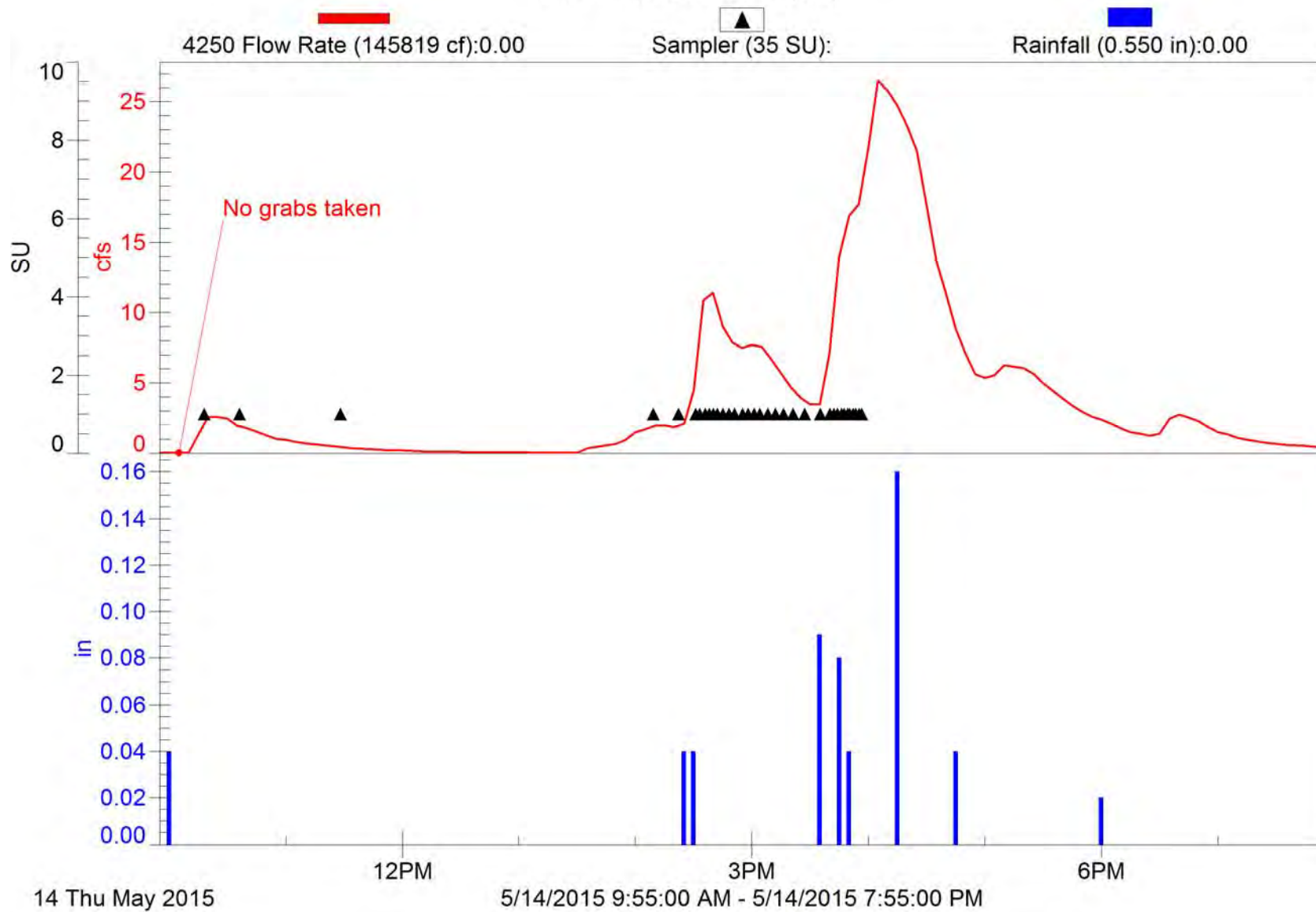
Santa Paula-1

2014/15 NPDES Event #3 (Wet)



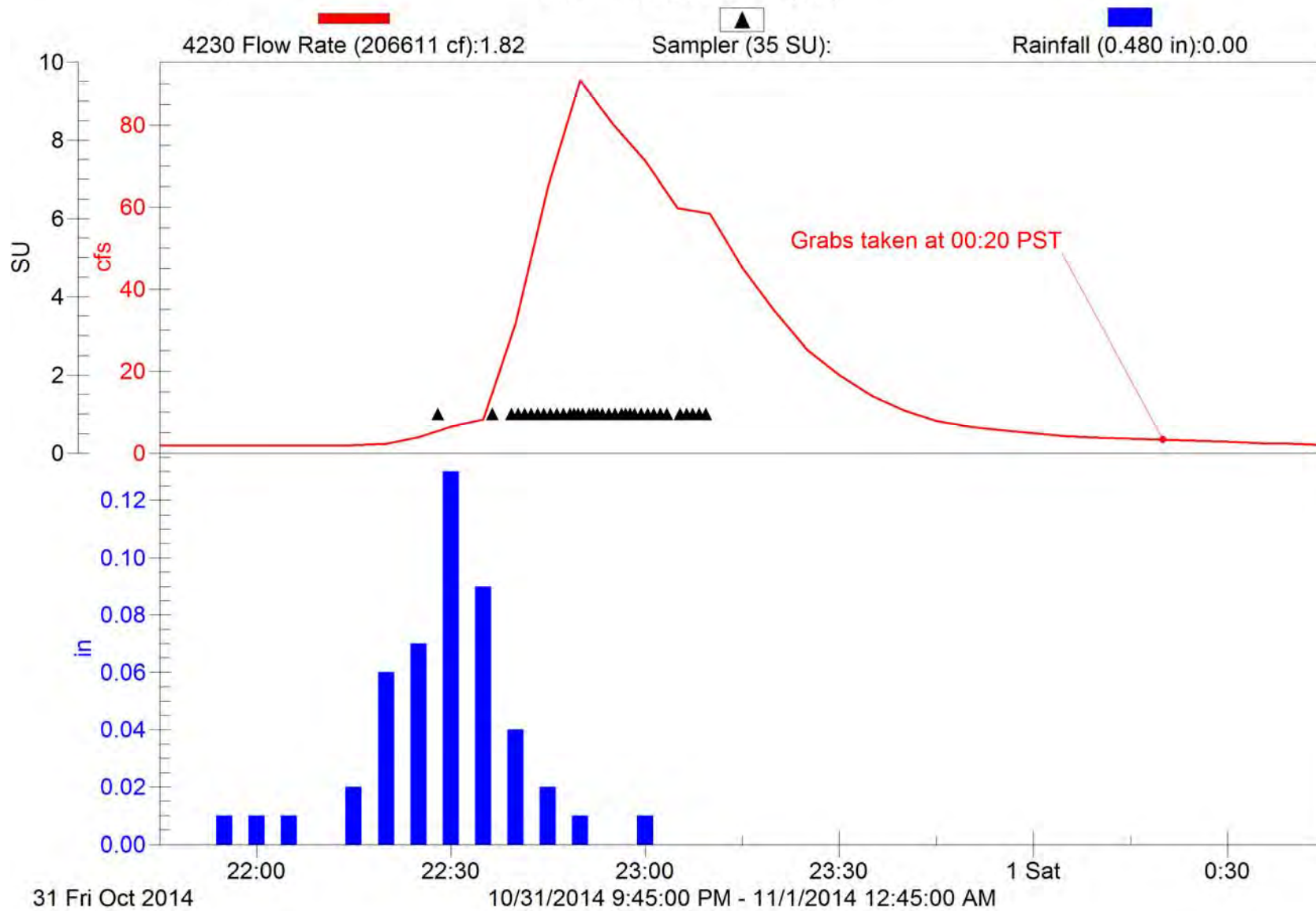
Santa Paula-1

2014/15 NPDES Event #5 (Wet)



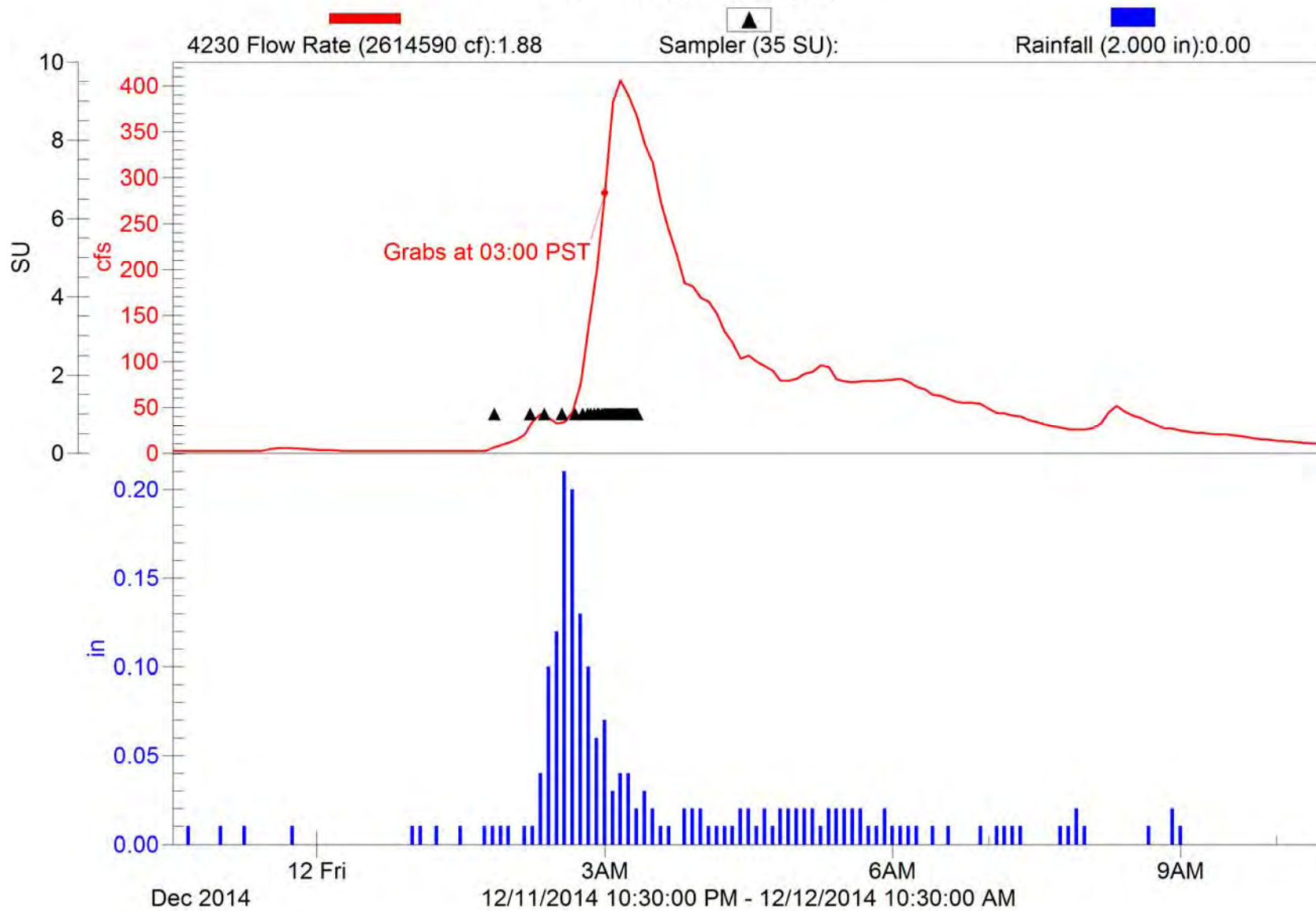
Simi Valley-1

2014/15 NPDES Event #1 (Wet)



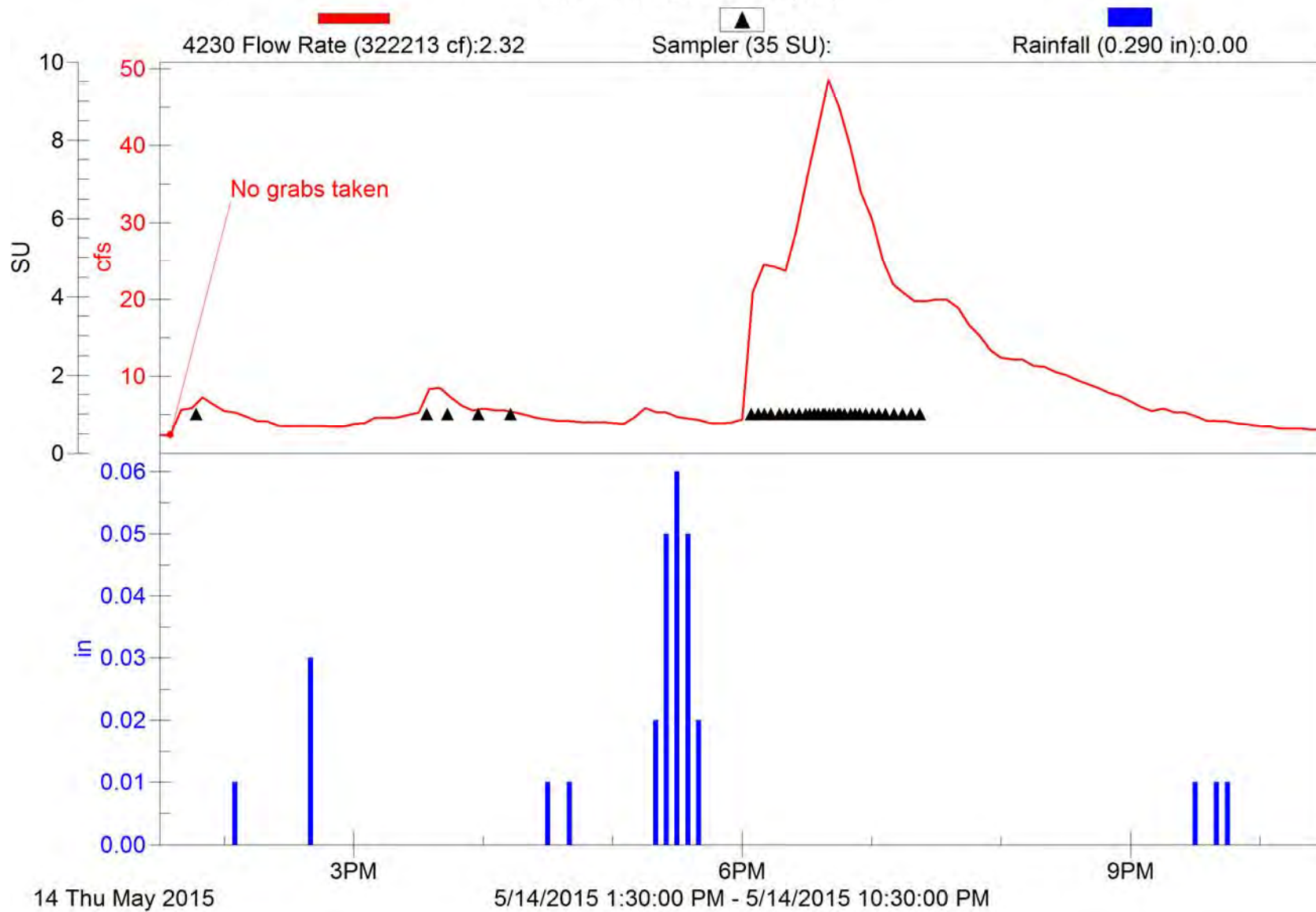
Simi Valley-1

2014/15 NPDES Event #3 (Wet)



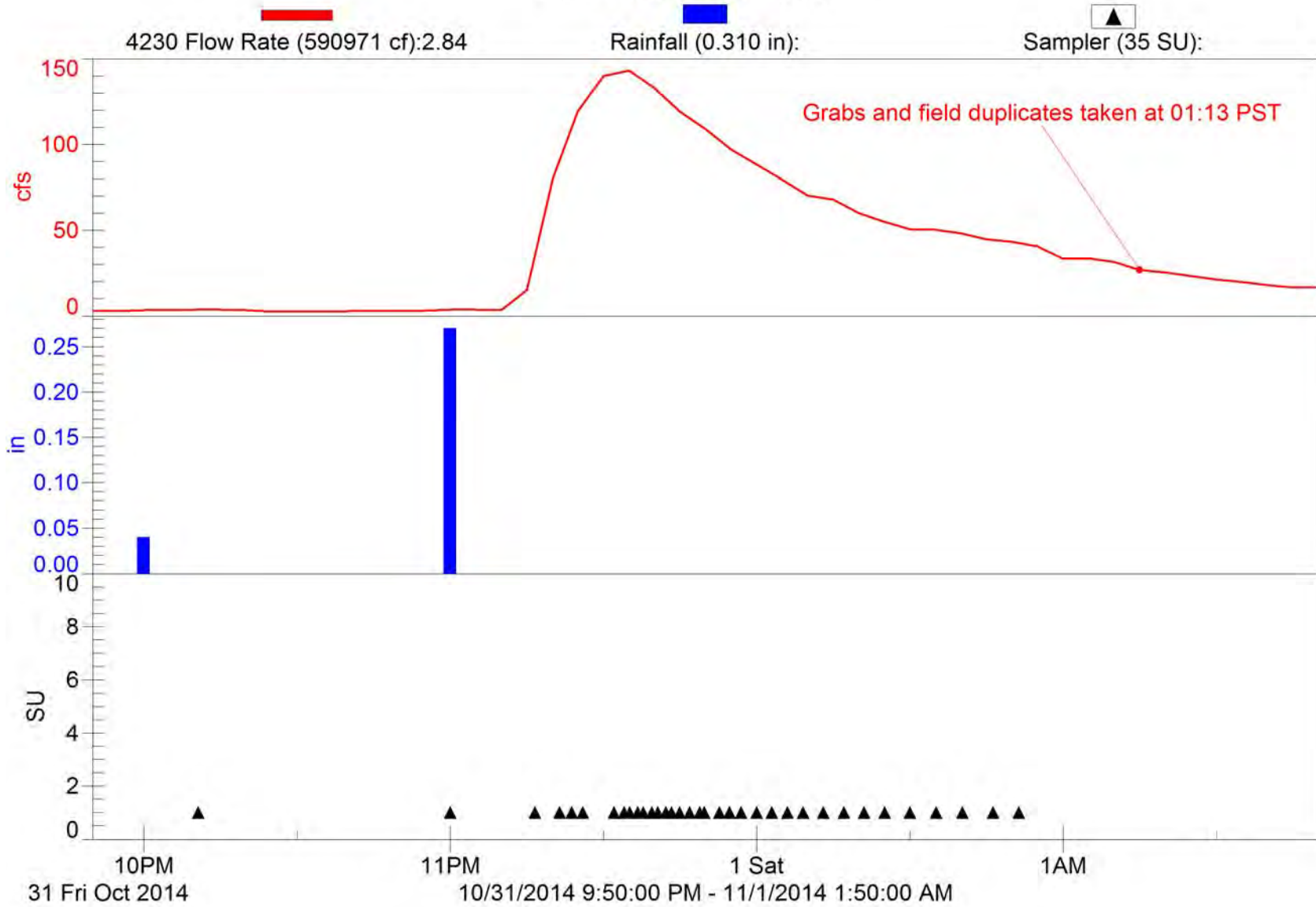
Simi Valley-1

2014/15 NPDES Event #5 (Wet)



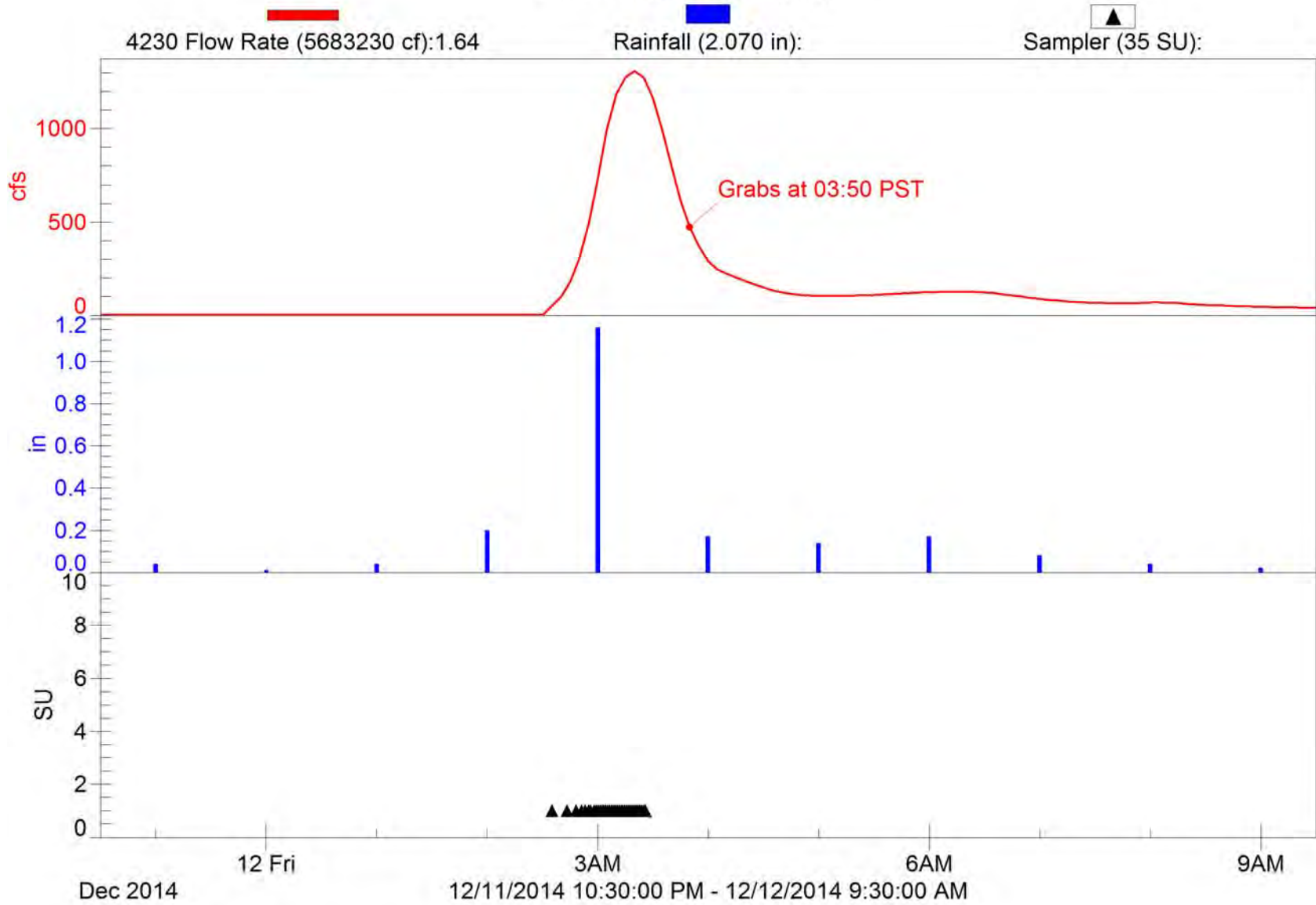
Thousand Oaks-1

2014/15 NPDES Event #1 (Wet)



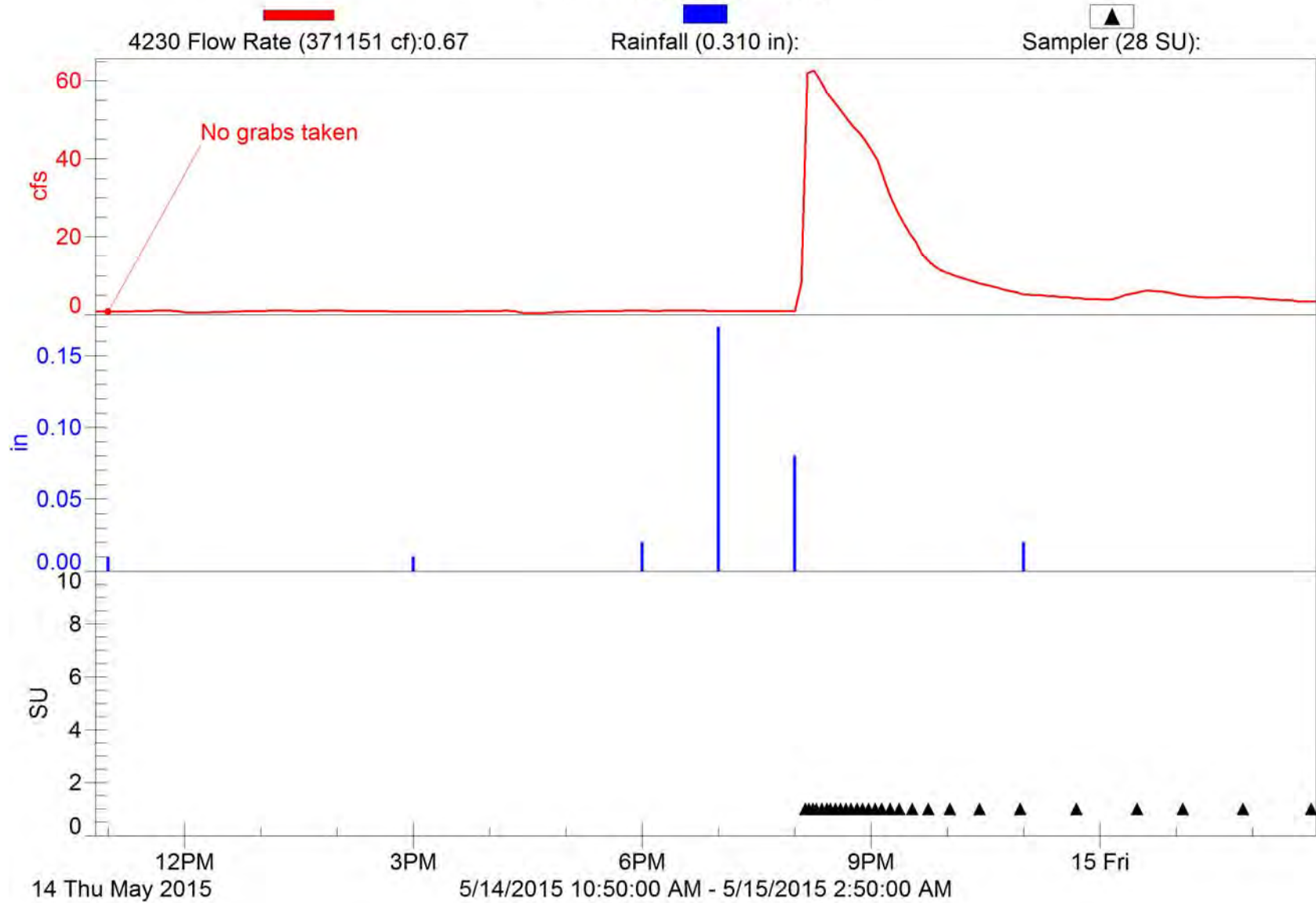
Thousand Oaks-1

2014/15 NPDES Event #3 (Wet)



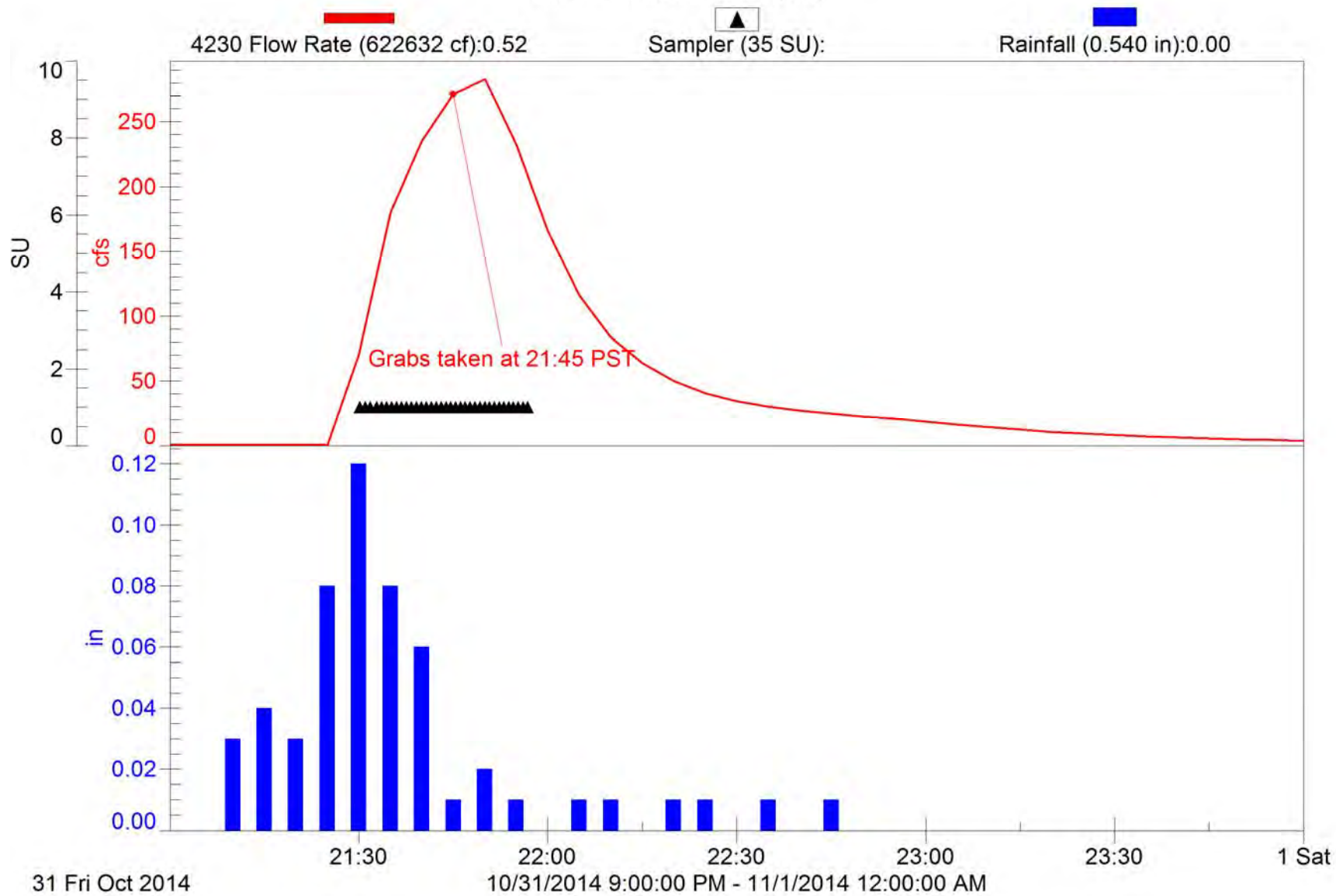
Thousand Oaks-1

2014/15 NPDES Event #5 (Wet)



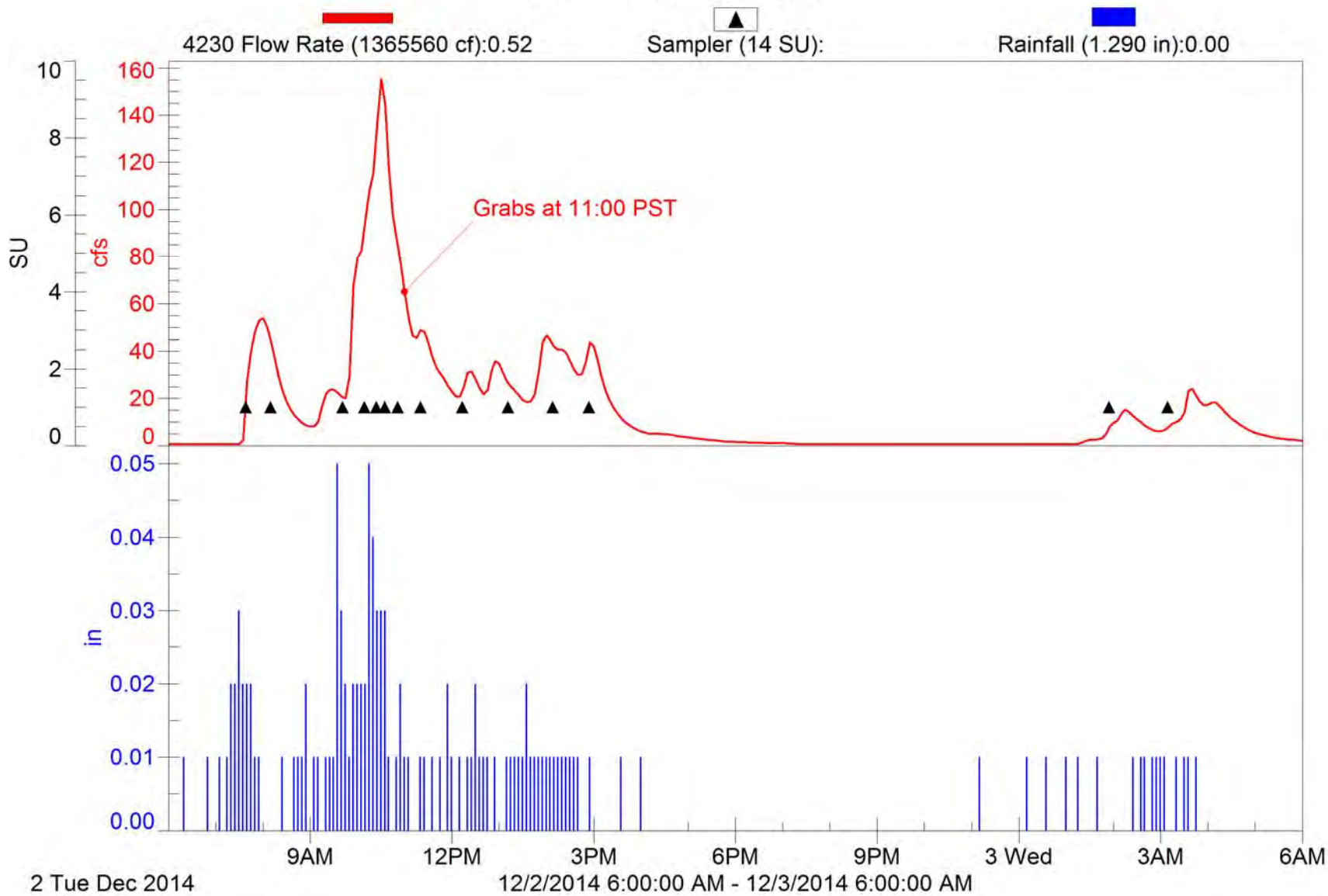
Ventura-1

2014/15 NPDES Event #1 (Wet)



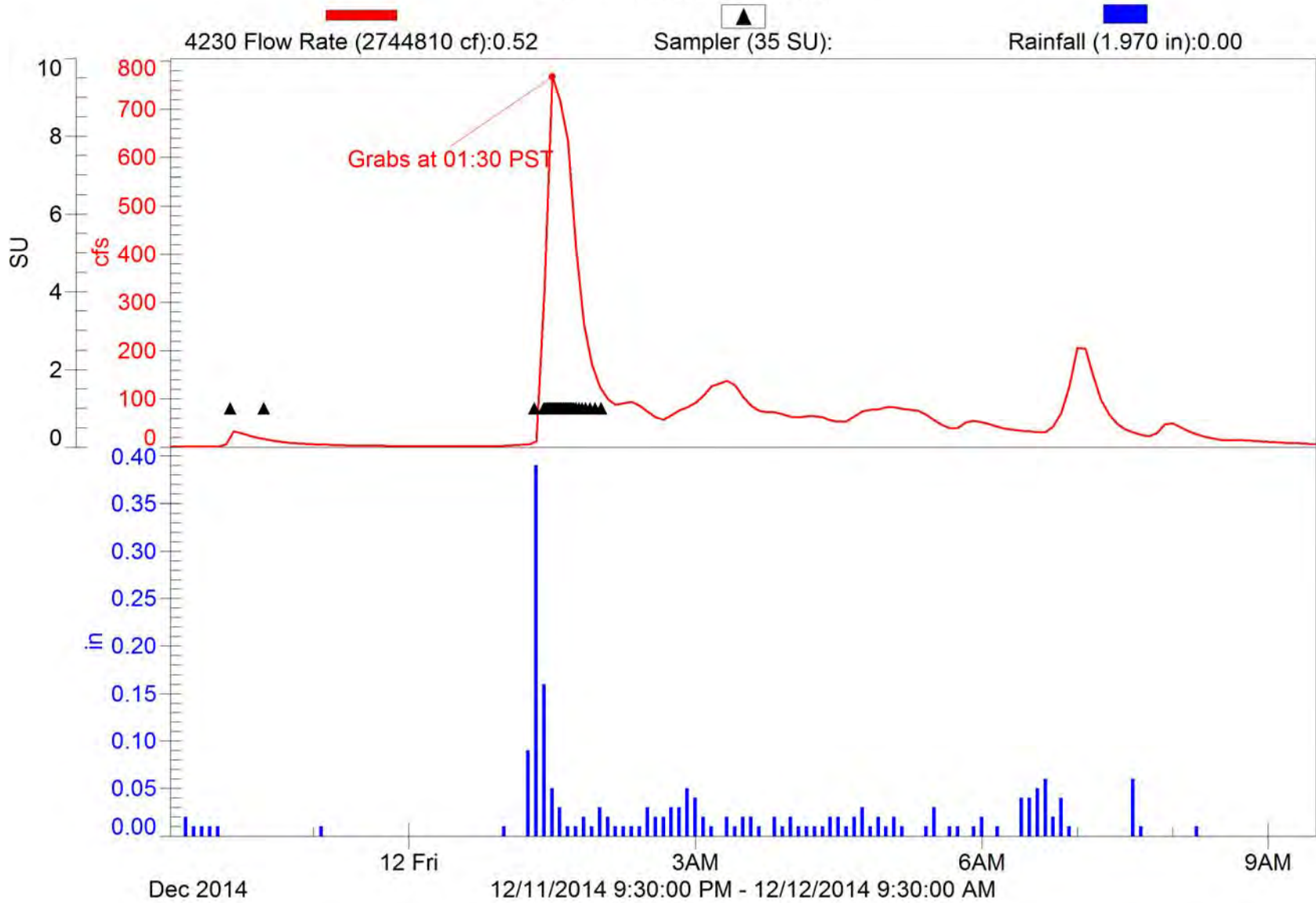
Ventura-1

2014/15 NPDES Event #2 (Wet)



Ventura-1

2014/15 NPDES Event #3 (Wet)



Appendix C. NRCS Curve Number Methodology Discussion



Ventura County Watershed Protection District

Planning & Regulatory Hydrology Section

MEMORANDUM

DATE: September 4, 2009 Updated August 12, 2010

TO: Tommy Liddell

VIA: Bruce Rindahl

FROM: Mark Bandurraga

SUBJECT: NPDES Monitoring Site Yield Evaluation

Per your request, we have used the land use and watershed information you provided to prepare a spreadsheet that can be used to estimate the runoff quantities from storm forecasts. The runoff quantity is estimated using the NRCS Curve Number approach that is a common method in hydrology. The results show that the weighed Curve Numbers estimated from the evaluation range from a low of about 74 for the rural Fox Canyon Drain watershed in Ojai to a high of about 91 for the urbanized watershed in the City of Ventura. The methodology and files used to calculate the Curve Numbers are described in this memo for the watersheds shown in Figures 1-4.

In August 2010 you requested results for another 7 monitoring sites across the county. This memo describes the additional work done for that request.

Curve Number Calculation Methodology

Land Use Data

Land Use data used in the study were provided by the Water Quality Section already clipped to the monitoring site boundaries and in a geodatabase. The land use data were extracted from the Assessor's Parcel database which is considered to be current as of the date of extraction (Feb 12, 2009). The various classifications in the file based on the assessor's 4-digit site use codes were sorted and assigned hydrologic land use names associated with the various classifications contained in the Curve Number (CN) Table from the Hydrology Manual (2006) as shown in Table 1. The categories in the land use file corresponded well with the land uses in the VCWPD CN Table with the following exceptions:

1. Vacant undifferentiated land was assumed be open brush in fair condition in rural areas and open space with 50% grass cover in urban areas.
2. Mixed urban land uses were assumed to correspond to commercial properties with 50% effective impervious.
3. Fire stations, public buildings, and schools were assigned to the low industrial use category with an effective impervious value of 36% due to the potential for large landscaped areas.

Table 1 Land Uses In NPDES Database (Assessor's Land Uses)

KVM_CAT1	SHORT_	Name
Agriculture	Abandoned Orchards and Vineyards	Orchard
Agriculture	Horse Ranches	open
Agriculture	Nurseries	Orchard
Agriculture	Orchards and Vineyards	Orchard
Agriculture	Vacant With Limited Improvements	open
Com_Indus. Mix	Mixed Commercial and Industrial	Comm
Commer.	Commercial Recreation	Comm
Commer.	Commercial Storage	Comm
Commer.	Low- to Medium-Rise Major Office Use	comm
Commer.	Modern Strip Development	comm
Commer.	Retail Centers (Non-Strip with Contiguous Interconnected Off-Street Parking)	comm
Extraction	WHOLESALE AND WAREHOUSING	indhigh
Facility	Fire Stations**	indlow
Facility	Government Offices	indlow
Facility	Major Medical Health Care Facilities	comm
Facility	Other Public Facilities	indlow
Facility	Other Special Use Facilities	indlow
Facility	Police and Sheriff Stations**	indlow
Facility	Religious Facilities	indlow
Facility	Special Care Facilities	indlow
Industrial_1	Open Storage	indlow
Industrial_1	Packing Houses and Grain Elevators	indlow
Industrial_3	Manufacturing, Assembly, and Industrial Services	indhigh
No Info Given		open
Recreation	Other Open Space and Recreation	open
Res.1	Low Density Single Family Residential	reslow
Res.1	Trailer Parks and Mobile Home Courts, High Density	reshigh
Res.2	Low-Rise Apartments, Condominiums, and Townhouses	reshigh
Res.2	Rural Residential Low Density	resrural
Res.3	High Density Single Family Residential	reshigh
Res.4	Duplexes, Triplexes, and 2- or 3-Unit Condominiums and Townhouses	reshigh
Res.4	Medium-Rise Apartments and Condominiums	reshigh
Res.4	Mixed Urban	comm
Schools	Elementary Schools**	indlow
Schools	Junior High Schools**	indlow
Schools	Senior High Schools**	indlow
Transportation	Freeways and Major Roads	paved
Transportation	Mixed Transportation	paved
Transportation	Truck Terminals	paved
Under Constructi	Under Construction	indlow
Utilities	Electrical Power Facilities	indlow
Vacant Undiffere	Vacant Undifferentiated (rural)	brushfair
Vacant Undiffere	Vacant Undifferentiated (city)	open

Soils Information

The soils information was obtained from the District soils shapefile that groups the soil info into categories 1 through 7 corresponding to the NRCS soil categories D through A, respectively. The soils info was clipped to the watershed boundaries using the watershed shapefile. The areas

obtained from the soils files were checked against the total watershed areas to make sure they were identical.

Combined Soils and Land Use Information and Weighted Curve Numbers

The soils and land use shapefiles were then unioned in GIS to obtain the combinations of soil type and land uses in the watersheds. The resulting table was imported into excel and sorted to group the various land uses. The land uses were then assigned a name associated with the data in the District CN Table. Based on the name and soil number, excel functions “match” and “offset” were used to obtain a CN from the CN Table. The weighted soil number and Curve Number for each watershed were calculated using the areas, soil numbers, and CN’s. The weighted soil types were checked against the data in the original watershed soil files and were found to be the same. The weighted Curve Numbers were linked to a summary worksheet to be used to calculate the yields by the Water Quality Section. This procedure was also applied to the 7 additional watersheds added to the study in August 2010.

The results are shown in Table 2.

Table 2: Storm Yield Results- Weighted Average Curve Numbers

Watershed Name	Size ac	Composite CN	Rain (in)	Initial Abs S (no units)	Rain cutoff (in)	Yield (in)	% Yield
Camarillo	2,779	85.12	5.00	1.75	0.35	3.38	68%
Happy Valley	1,026	77.29	5.00	2.94	0.59	2.65	53%
Fox	749	74.19	5.00	3.48	0.70	2.38	48%
Ventura	707	90.93	5.00	1.00	0.20	3.97	79%
Fillmore	762	74.77	5.00	3.37	0.67	2.43	49%
Port Hueneme	589	85.60	5.00	1.68	0.34	3.43	69%
Moorpark	1,816	63.34	5.00	5.79	1.16	1.53	31%
Oxnard	1,374	84.07	5.00	1.89	0.38	3.28	66%
Simi Valley	3,321	71.04	5.00	4.08	0.82	2.12	42%
Santa Paula	64	80.07	5.00	2.49	0.50	2.90	58%
Thousand Oaks	5,179	81.54	5.00	2.26	0.45	3.04	61%

Between the first request and present, the Hydrology Section has updated their Curve Number tables to make them more consistent with reported infiltration rates in the Hydrology Manual. The resultant CNs were used in the study to see the effect on the yields as shown in Table 3.

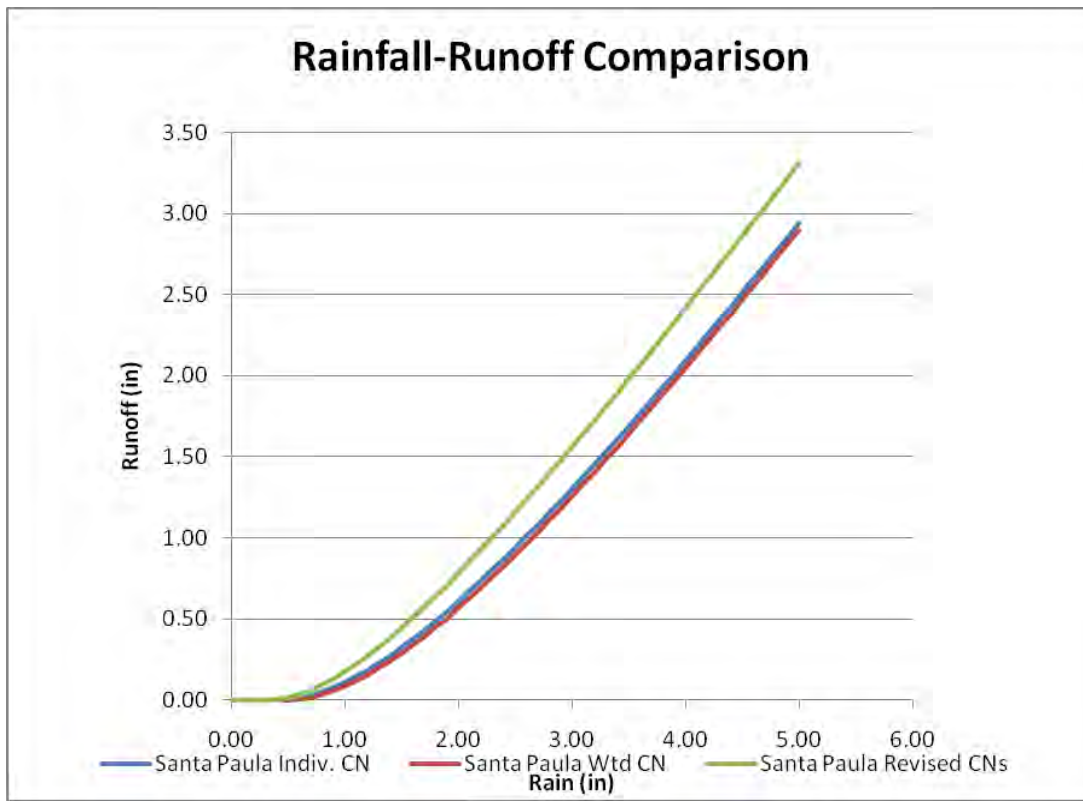
Table 3: Storm Yield Results- Weighted Average Curve Numbers with Updated CNs

Watershed Name	Size ac	Composite CN	Rain (in)	Initial Abs S (no units)	Rain Cutoff (in)	Yield (in)	% Yield
Camarillo	2,779	84.72	5.00	1.80	0.36	3.34	67%
Happy Valley	1,026	77.22	5.00	2.95	0.59	2.64	53%
Fox	749	73.48	5.00	3.61	0.72	2.32	46%
Ventura	707	91.24	5.00	0.96	0.19	4.01	80%
Fillmore	762	74.39	5.00	3.44	0.69	2.40	48%
Port Hueneme	589	86.14	5.00	1.61	0.32	3.48	70%
Moorpark	1,816	64.63	5.00	5.47	1.09	1.63	33%
Oxnard	1,374	84.01	5.00	1.90	0.38	3.27	65%
Simi Valley	3,321	71.11	5.00	4.06	0.81	2.13	43%
Santa Paula	64	84.22	5.00	1.87	0.37	3.29	66%
Thousand Oaks	5,179	81.27	5.00	2.30	0.46	3.01	60%

The results showed that the revised CNs provided yields that were 1 or 2% higher than the 2006 CN set except for the Santa Paula watershed. This watershed was soil type 6, which had CNs that were more affected by the updates than most of the CNs for the other soils.

While working on the 2nd request, it was realized that the Hydrology Section could provide more precise estimates of flow at lower rainfall levels by analyzing each soil/land use combination individually and summing the results rather than using a weighted average CN in the runoff equation. So the individual CN results were calculated and summed for both the 7 sites in this update and the previous 4 sites. The resultant spreadsheets provide tables of runoff vs rainfall data. Figure 1 shows a comparison of the rainfall and runoff from a highly developed watershed Camarillo using the weighted average CN, individual CNs, and revised individual CNs.

Figure 1



Conclusions and Limitations

The provided weighted CNs can be used to estimate runoff from low to moderately saturated watersheds. It has been our experience that it is necessary to use Antecedent Moisture Condition III CNs for highly saturated watersheds which only occurs after many days of heavy rainfall such as January 10, 2005. The provided CNs probably will overpredict the runoff coming from the first storms of the season due to the very dry antecedent moisture conditions present then. If necessary further work can be done to provide CNs representing AMC I conditions. Also, the CNs assigned to the various land uses can be calibrated after enough storms have occurred to evaluate the predictive accuracy of the current yield equations provided to the NPDES group. It should also be possible to provide forecasts of runoff from the HSPF forecast model of the Ventura River watershed that more accurately reflect saturated/unsaturated conditions.

List of Files in Work Directory K:\PR\hydrology\Watersheds\NPDES\Monitoring_Sites

Filename	Description
GIS	Contains GIS files used in evaluation
GIS2010	Contains 2010 GIS files used in updated evaluation
ClippedLandUse.mdb	Geodatabase with land uses clipped to watershed boundaries provided by WQ section
*_SelectedWatershed.shp	shapefiles showing boundaries of monitoring watersheds
*soils.shp	soils shapefiles clipped to watershed boundaries
*soilsunion.shp	Union of soils and land use data shapefile for watersheds
Allsoil.shp	VCWPD soils shapefile showing numbers for hydrology calcs
NPDES_MonitoringSitesRunoff9-09.xls	9-09 CN data
NPDES_MonitoringSitesRunoff8-10.xls	8-10 updated analysis for 11 sites total
NPDES_MonitoringSitesRunoff8-10RevCNs.xls	8-10 analysis using revised CNs
MonitoringSites9-09.mxd	ArcMap project file for analysis

Ventura Watershed

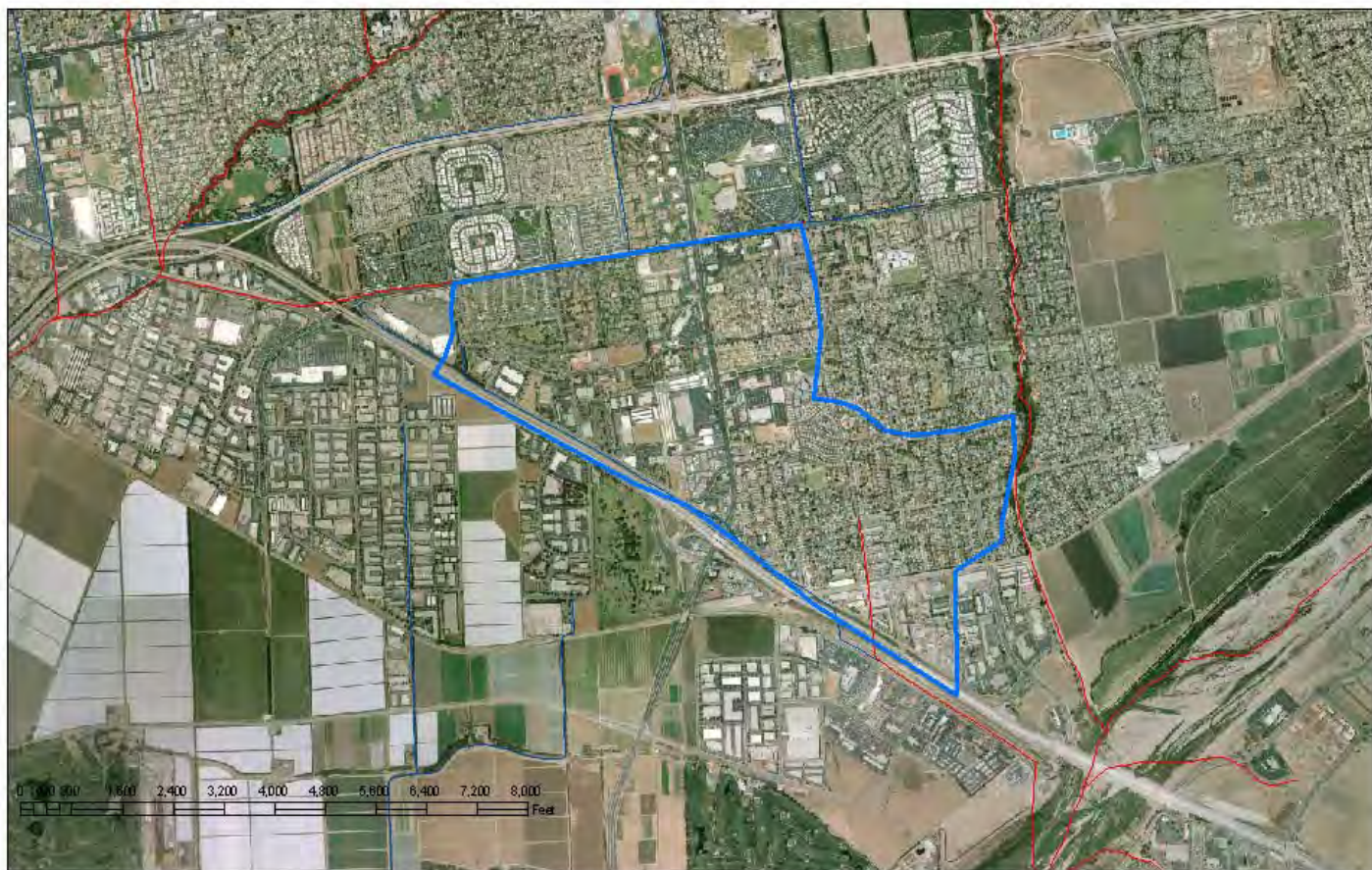


Figure 2

Meiners Oaks Happy Valley Watershed



Figure 3

Ojai Fox Watershed

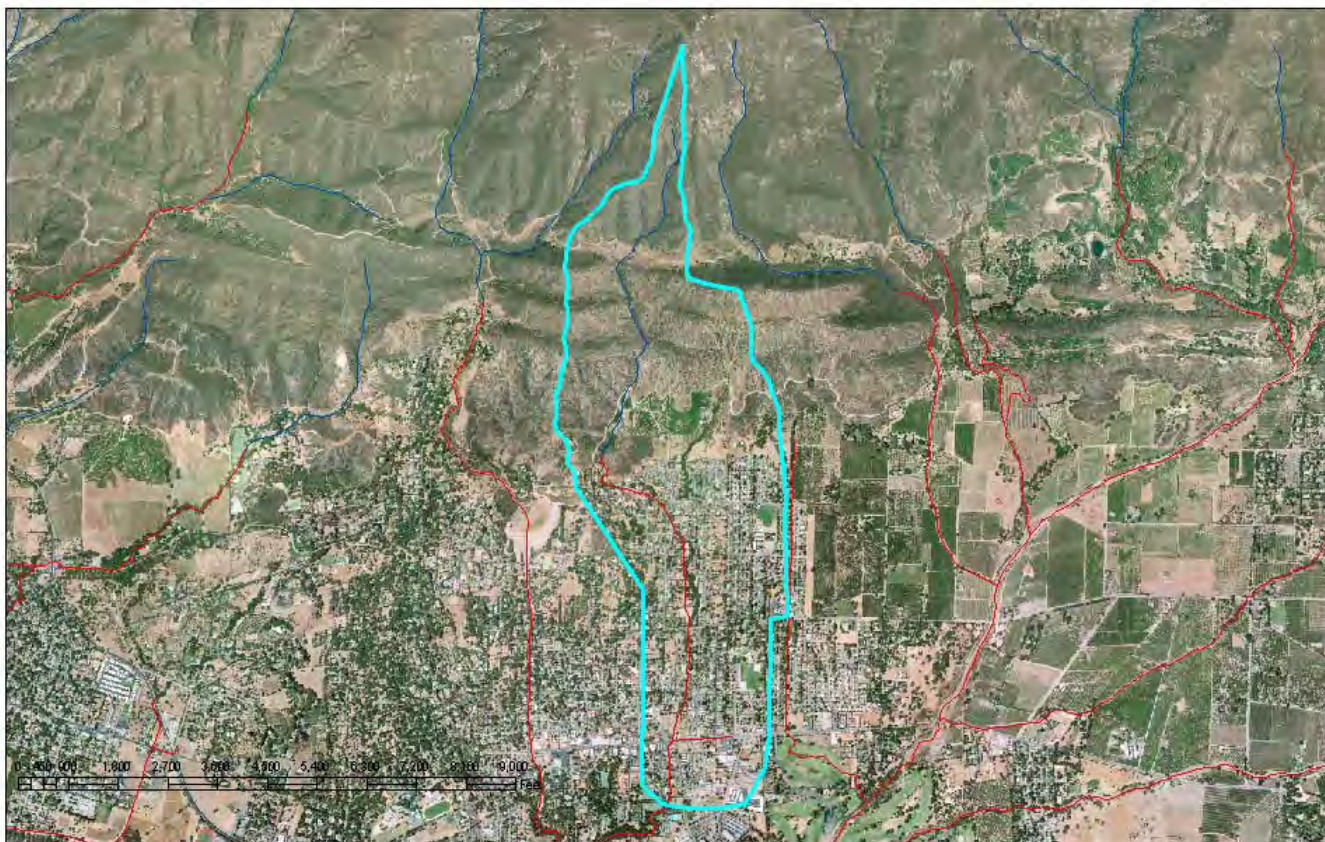


Figure 4

Camarillo Hills Drain Watershed

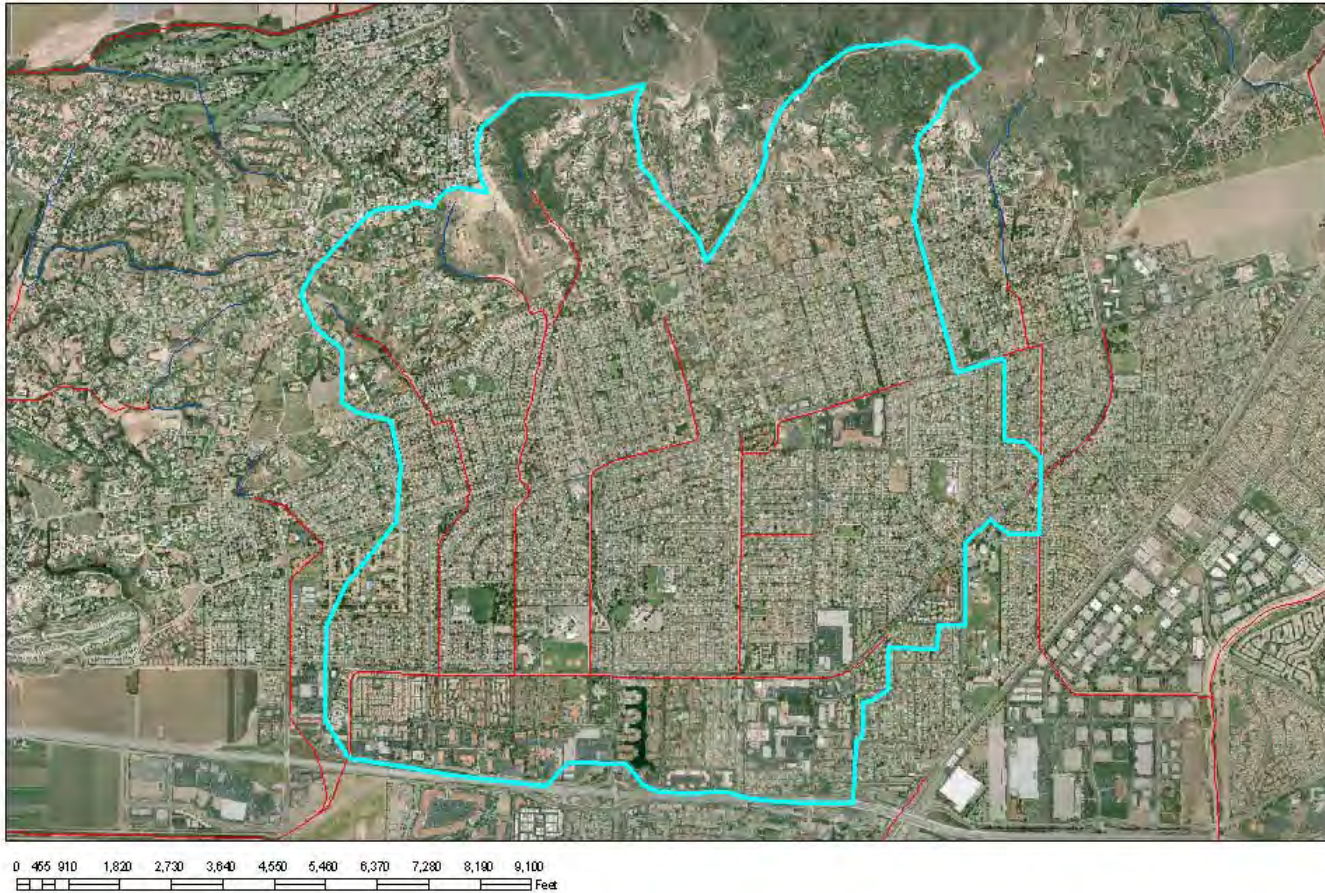


Figure 5

Simi Valley Watershed

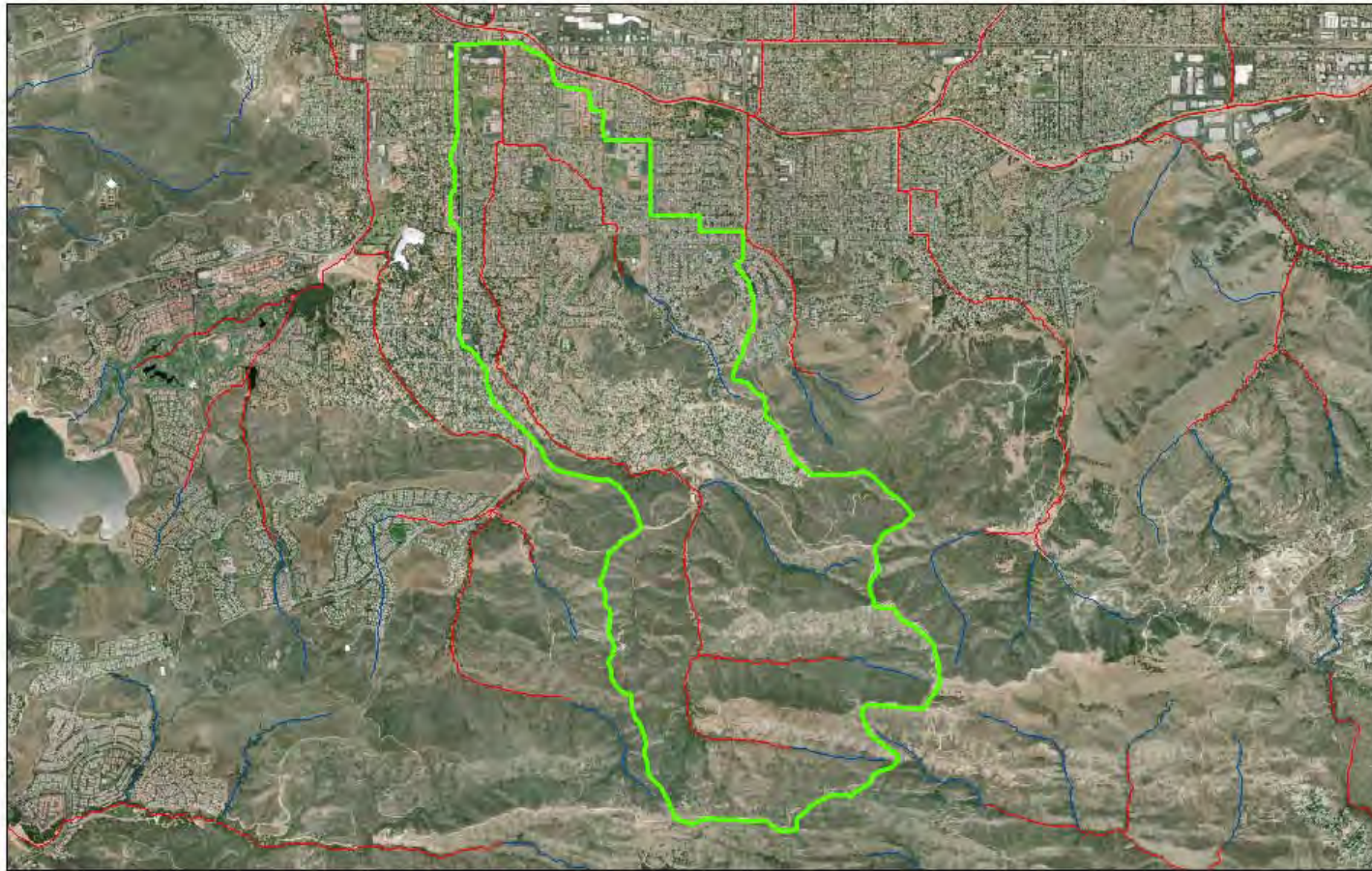


Figure 6

Oxnard Watershed



Figure 7

Moorpark Watershed

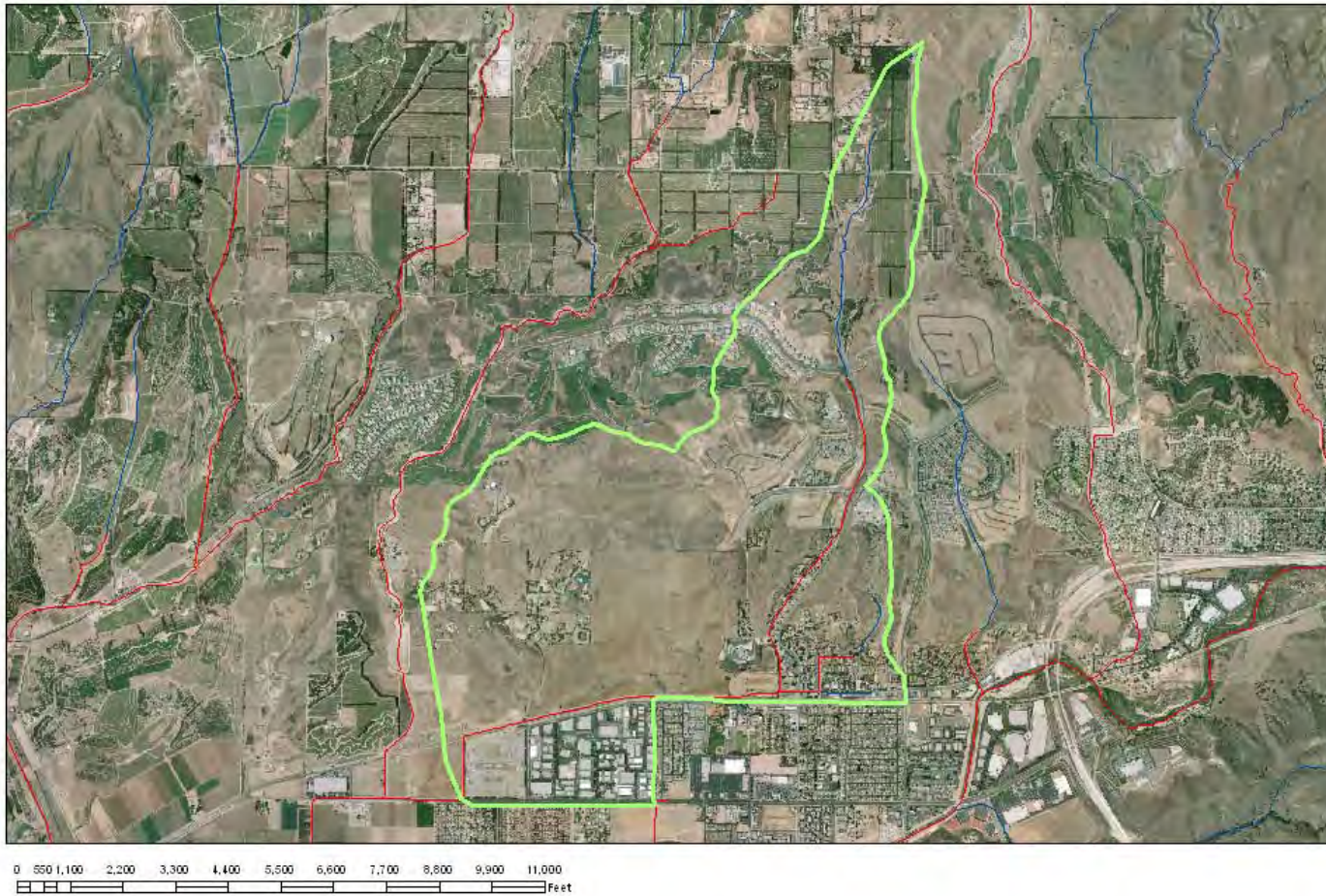


Figure 8

Port Hueneme Watershed



Figure 9

Fillmore Watershed



Figure 10

Thousand Oaks Watershed

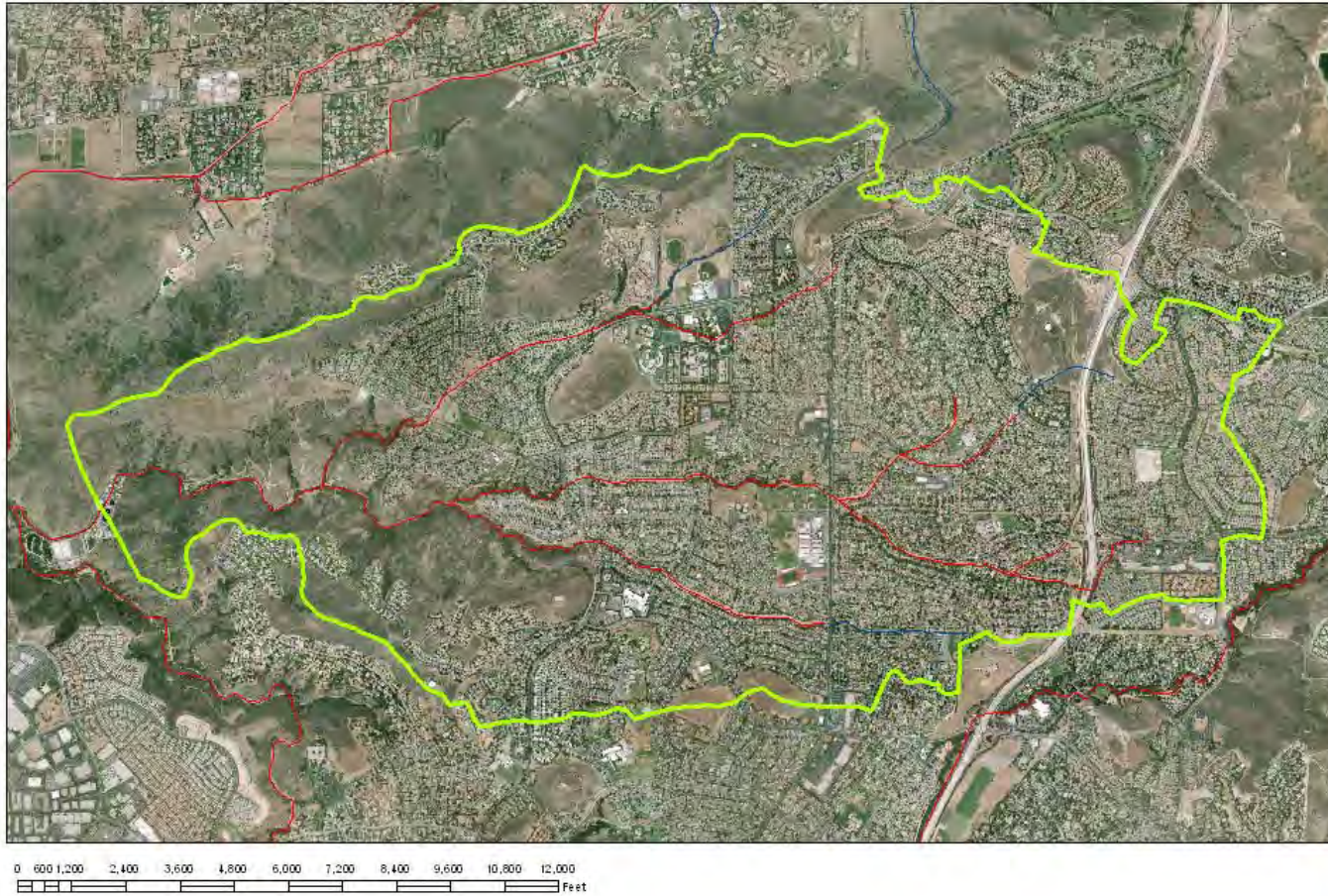


Figure 11

Santa Paula Watershed



Figure 12

Appendix D. Event Summaries

NPDES 2014/15 Water Quality Monitoring Event #1 (Wet), October 31 – November 1, 2014 Summary

Notes: Weather forecasts were confident that rain would begin late evening on the 31st, with 0.25" to 0.50" in all areas. More rain fell than was expected, with 0.5" - 1" at most sites across the county. All sample lines were cleaned prior to Event 1 with a 1% nitric acid rinse and distilled water flush (all captured) with the exception of those sites where the sample intake is below the waterline and staff could not be assured of capturing all waste material (ME-CC and MO-HUE).

Sampling Durations (to nearest 0.5 hours):

ME-CC = 10.5 hrs.	ME-SCR = NA.	ME-VR2 = 4.5 hrs.
MO-CAM = 0.5 hrs.	MO-FIL = 5.5 hrs.	MO-HUE = 8.5 hrs.
MO-MEI = <0.5 hrs.	MO-MPK = 1.0 hrs.	MO-OJA = 0.5 hrs.
MO-OXN = 1.0 hrs.	MO-SIM = 0.5 hrs.	MO-SPA = 0.5 hrs.
MO-THO = 2.5 hrs.	MO-VEN = 0.5 hrs.	

Storm Control: Bill Carey

Sampling Crew (during storm):

VR2/OJA/MEI/VEN/HUE: Kelly Hahs & Scott Greer (JRE)
CC/SPA/SCR/CAM/OXN: Bram Sercu & Kevin Pucket (JRE)
FIL/SIM/MPK/THO: Arne Anselm & Jim McRory (GCE)

Sampling Crew (composite sample pickup):

MPK/SIM/THO (with grabs): Arne Anselm & Jim McRory (GCE)
CAM (with grabs): Bram Sercu and Kevin Pucket (JRE)
OJA/MEI (with grabs): Kelly Hahs & Scott Greer (JRE)
VR2/HUE: Kelly Hahs & Scott Greer (JRE)
SPA/FIL: Jim McRory (GCE) and Dean Wilkinson (GCE)
SCR/OXN: Arne Anselm & Bram Sercu
CC/VEN: Bill Carey

NPDES ~ MASS EMISSION

ME-CC Calleguas Creek (CSUCI Bridge)

❖ 10/31/2014 @ 12:30 PDT [KH]

2105ci: Pacing = 1,000 cf

4230: 1.059', 3 cfs [oss ~1.06']

6712: Fridge at -2°C, turned a little warmer. Flushed line with 2 liters of distilled water. Pump count 108,643. Program flow paced; pacing every 420 pulses, 96 hour max run time. Run program: "Program disabled 11:26 FR 31-OCT". Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

❖ 11/1/2014 @ 01:07 PDT [BS,KP]

4230: 1.201', 19 cfs

6712: Fridge at -2°C. Bottle empty. "Errors have occurred. Sample 2 after 415 pulses."

Grab samples: Bacteriological, chemistry, and toxicity grabs taken at check structure @ 01:20 PDT.

Field Measurements: Temperature = 18.4°C pH = 7.48

NPDES 2014/2015 Event #1 (Wet)

DO (%) = 64.1
DO (mg/L) = 5.94

Conductivity = 1455 uS
Specific Conductance = 1670 uS

Salinity = 0.8 ppt

❖ 11/1/2014 @ 11:27 PDT [WBC]

4230: 1.649', 108 cfs

6712: "Sample 10 after 319 pulses. Errors have occurred." Composite 90% full. Fridge at 0°C. Flushed line with 2 L distilled water. Reviewed program data: "No more liquid" samples 1-8, 00:06 PST – 09:31 PST. Sample 9 at 10:13 PST, 4855 counts.

Composite sample: Pulled at 11:27 PDT.

❖ Follow Up

Turn liquid detector function off and change programming to pump sample volumes based on line length instead.

ME-SCR Santa Clara River (Freeman Diversion)

❖ 10/31/2014 @ 10:00 PDT [WBC]

No flow in channel. Concrete bottom covered in ~1.5' sand. Small pond upstream of intake (~3' x 15'). Shoveled sand to extend pond to within vicinity of intake. Lowered intake partially into freshly extended pond area. Will only be sampleable if get enough flow to flush out sediment.

6712: Fridge at 4°C. Flushed line with 2L distilled water. Program time paced 9 hours, sample every 15 minutes. Run program: "Program disabled." Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

❖ 11/1/2014 @ 02:15 PDT [BS,KP]

6712: Bottle ~7L. "Sample 17 in 00:09." Fridge at 2°C. Stopped program after sample 22 because intake is back in sediment and cannot pull sample.

Grab samples and Field Measurements: River bottom dry. Pond at intake present but no connection to flow/surface water. Grabs and field measurements not taken.

❖ 11/1/2014 @ 10:56 PDT [BS,AA]

6712: "Program time paced done." Composite bottle full. Fridge temp 0°C. Dumped composite bottle because no storm flow occurred. Flushed line with 2L distilled water. Pump tubing count 302,054. Clean grab and toxicity bottles were left onsite for next event.

ME-VR2 Ventura River (Ojai Valley Sanitary District)

❖ 10/29/2014 [KH]

Dug out communication channel between main stem river and bubbler ponded area.

❖ 10/31/2014 @ 11:15 PDT [KH,WBC]

4230: 1.728', 0 cfs

6712: Fridge at 3°C. Flushed line with 2L distilled water. Pump count = 75,346. Program flow paced; pacing every 1 pulse. Run program, "Program disabled 10:30 FR 31-OCT". Installed labeled composite bottle, lid off. Bubbler in contact with water, communication channel has water, intake strainer submerged in main channel of river. Removed lid from composite bottle. Grab bottles and toxicity buckets onsite.

❖ 10/31/2014 @ 23:45 PDT [KH,SG]

NPDES 2014/2015 Event #1 (Wet)

4230: 1.987', 3 cfs

6712: "Sample 20 after 1 pulses." Bottle had triggered too early and most of the samples were pre-storm. Dumped bottle and restarted sampler. "Sample 1 after 1 pulses." Sampler did not sample on enable as programmed (equipment error) but did sample soon after. Volume ~500 ml. Fridge at 4°C.

Grab samples: Bacteriological, chemistry, and toxicity grabs taken from main channel @ 00:00 PDT on 11/1/2014.

Field Measurements: Temperature = 15.9°C pH = NA*
DO (%) = 68.2 Conductivity = 1056 uS Salinity = 0.6 ppt
DO (mg/L) = 6.67 Specific Conductance = 1285 uS

*pH = Error. Probe cable had broken away from BNC connector. pH was reading 12.45. Tried to create good contact between broken pieces but could not. Attempts resulted in pH readings of 6.15 after two separate attempts. No confidence in accuracy of broken probe measurement. Added pH to COC for composite sample.

❖ 11/1/2014 @ 11:05 PDT [KH,SG]

4230: 1.856', 1 cfs [oss ~ 1.86']

6712: "Program is done." Bottle ~ 18 L. Fridge at 4°C. Flushed line 2L distilled water. Pump count = 423,066. Turned 6712 off.

Composite sample: Pulled at 11:10 PDT.

NPDES ~ MAJOR OUTFALLS

MO-CAM Camarillo (Camarillo Hills Drain)

❖ 10/31/2014 @ 13:00 PDT [KH]

4230: 0.033', 10 cfs (no flow in channel, channel invert damp)

6712: Fridge at 1°C. Flushed line with 2L distilled water. Pump count 20,783. Program flow paced; pacing every 15 pulses. Run program: "Program disabled 12:11 FR 31-OCT". Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

❖ 11/1/2014 @ 00:15 PDT BS,KP]

4230: 0.266', 39 cfs

6712: Composite full. "Program is done." Fridge at 5°C.

Grab samples: Bacteriological, chemistry, and toxicity grabs taken at 00:25 PDT. Oss ~ 0.18'.

Field Measurements: Temperature = 16.8°C pH = 7.49
DO (%) = 97 Conductivity = 269 uS Salinity = 0.2ppt
DO (mg/L) = 9.45 Specific Conductance = 319 uS

Composite sample: Pulled 00:45 PDT.

Flushed line 2L distilled water. Pump count 109,548. Turned 6712 off.

MO-FIL Fillmore (North Fillmore Drain)

❖ 10/30/2014 @ 09:40 PDT [KH]

4230: 0.042'

6712: Fridge at 4°C, turned slightly colder. Flushed line with 2L distilled water. Pump count 39,630. Program ~6 hour time-paced program, sample every 10 minutes. Run

NPDES 2014/2015 Event #1 (Wet)

program "Program disabled 08:48 TH 30-OCT." Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

❖ 10/31/2014 @ 23:01 PDT [AA,JM]

4230: 0.502'

6712: "Sample 2 in 07:20." Bottle little volume. Fridge at 0°C.

Grab samples: Bacteriological, chemistry, and toxicity grabs taken at 23:15 PDT.

Field Measurements: Temperature = 17.8°C pH = 7.63
DO (%) = 83.1* Conductivity = 10.7* uS Salinity = 0.0* ppt
DO (mg/L) = 8.05* Specific Conductance = 29.8* uS

* YSI 85 DO/EC/Salinity meter readings changing erratically. Results suspect.

❖ 11/1/2014 @ 11:21 PDT [JM,DW]

4230: 0.107'

6712: "Program is done." Fridge at 2°C. Flushed line with 2 L distilled water. Pump counts 185,166. Bottle volume not recorded in notebook but approximately 14 L from photo.

Composite sample: Pulled at 11:21 PDT.

MO-MEI Meiners Oaks (Happy Valley Drain)

❖ 10/30/2014 @ 11:15 PDT [KH]

4230: 0.081', 1 cfs (channel dry)

6712: Fridge at 3°C. Flushed line with 2L distilled water. Program flow paced; pacing every 1 pulse. Run program: "Program disabled 10:22 TH 30-OCT." Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

❖ 11/1/2014 @ 00:44 PDT [KH,SG]

4230: 0.081', 1 cfs (below bubbler)

6712: "Program done." Bottle full. Fridge at 4°C.

Grab samples: Bacteriological, chemistry, and toxicity grabs taken at 00:55 PDT.

Composite sample: Pulled 00:55 PDT.

Field Measurements: Temperature = 16.9°C pH = 6.16*
DO (%) = 76.8 Conductivity = 155.6 uS Salinity = 0.1 ppt
DO(mg/L) = 7.44 Specific Conductance = 184.0 uS

pH = Error. Probe cable had broken away from BNC connector. Tried to create good contact between broken pieces but could not. pH reading 6.16. No confidence in accuracy of broken probe measurement. Added pH to COC for composite sample.

❖ 11/5/2014 @ 11:21 PDT [KH]

4230: 0.080'

6712: Flushed line with 2 L distilled water. Pump counts 99,728. Turned 6712 off.

MO-MPK Moorpark (Walnut Canyon Drain)

❖ 10/31/2014 @ 14:40 PDT [AA]

4230: 0.071', 0.2 cfs. Used wire to ensure bubbler orifice tip was clear.

6712: Fridge at 3°C. Flushed line with 2L distilled water. Pump count = 24,752.

Program flow paced; pacing every 1 pulse. Run program: "Program". Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

NPDES 2014/2015 Event #1 (Wet)

❖ 11/1/2014 @ 00:06 PDT [AA,JM]

4230: 0.291', 7.1 cfs [Oss ~0.3']

6712: Fridge at 3°C. "Errors have occurred." Bottle overflowing.

Grab samples: Bacteriological, chemistry, and toxicity grabs taken at 00:20 PDT.

Composite sample: Pulled at 00:20 PDT.

Field Measurements: Temperature = 10.8°C pH = 7.3
DO (%) = 208.5* Conductivity = 292.3* uS Salinity = 0.1* ppt
DO(mg/L) = 17.49* Specific Conductance = 291.9* uS

* YSI 85 DO/EC/Salinity meter readings changing erratically. Results suspect.

❖ 11/5/2014 @ 09:35 PST [KH]

4230: 0.071', 0.1 cfs (channel dry)

6712: Reviewed Program data. Samples 9 (22:23), 18 (22:44), 19 (22:47), and 23 (22:53) all "No more liquid." Flushed line with 2 L distilled water. Pump tubing count 187,978. Turned 6712 off.

❖ Follow Up

Possible option: turn liquid detector function off and change programming to pump sample volumes based on line length instead.

MO-OJA Ojai (Fox Canyon Barranca)

❖ 10/30/2014 @ 10:46 PDT [KH]

Notes: White powder in channel and inlet from athletic club (likely diatomaceous earth from pool filter). Notified Section manager.

4230: 0.102', 5 cfs (channel dry)

6712: Fridge at 2°C. Flushed line with 2L distilled water. Pump count = 16,601.

Program flow paced; pacing every 1 pulse. Run program: "Program disabled 09:53 TH 30-OCT". Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

❖ 11/1/2014 @ 01:30 PDT [KH,SG]

4230: 0.101', 5 cfs (flow below bubbler orifice)

6712: Fridge at 0°C. "Program flow paced is done". Bottle full.

Grab samples: Bacteriological, chemistry, and toxicity grabs taken at 01:40 PDT

Composite sample: Pulled 01:40 PDT.

Field Measurements: Temperature = 15.5°C pH = NA*
DO (%) = 76.6 Conductivity = 352.2 uS Salinity = 0.2 ppt
DO(mg/L) = 7.70 Specific Conductance = 428.5 uS

*pH = Error. Probe cable had broken away from BNC connector. Tried to create good contact between broken pieces but could not. No confidence in accuracy of broken probe measurement. Added pH to COC for composite sample.

❖ 11/5/2014 @ 12:35 PST [KH]

4230: 0.100', 5 cfs (channel dry)

6712: Flushed line with 2 L distilled water. Pump tubing count 108,104. Turned 6712 off.

NPDES 2014/2015 Event #1 (Wet)

MO-OXN Oxnard (El Rio Drain)

❖ 10/30/2014 @ 14:40 PDT [KH]

4230: 0.109' (channel dry)

6712: Fridge at 0°C. Flushed line with 2L distilled water. Pump count 18,281. Program flow paced; pacing every 6 pulses. Run program: "Program disabled 13:45 TH 30-OCT". Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

❖ 10/31/2014 @ 23:14 PDT [BS,KP]

4230: 2.08' [oss ~2'], 86.8 cfs

6712: Fridge at 0°C. "Sample 23 after 5 pulses." Bottle ~9 L.

Grab samples: Bacteriological, chemistry, and toxicity grabs taken at 23:25 PDT.

Field Measurements:

Temperature = 17.1°C	pH = 6.40	
DO (%) = 91.5	Conductivity = 173.6 uS	Salinity = 0.1 ppt
DO(mg/L) = 8.90	Specific Conductance = 204.7 uS	

❖ 11/1/2014 @ 11:37 PDT [BS,AA]

4230: 0.147', 0.5 cfs

6712: Fridge @ 0°C. "Program: Flow paced is done." Bottle full. Flushed line with 2 L distilled water. Pump tubing count 109,666.

Composite sample: Pulled at 11:37 PDT.

MO-HUE Port Hueneme (Hueneme Drain)

❖ 10/30/2014 @ 14:00 PDT [KH]

Notes: Construction work ongoing at J Street Drain. Channel is dammed downstream of Hueneme Pump Station outfall and channel is dry. Sand berm at Ormond is intact and backwater effects are occurring downstream of temporary construction dam.

6712: Fridge at 0°C. Flushed line with 2L distilled water. Pump count 26,804.

Programmed time paced ~ 9 hour program, 15 min/sample. Run program "Program disabled 13:07 TH 30-OCT". Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

❖ 11/1/2014 @ 03:05 PDT [KH,SG]

6712: Fridge at 2°C. "Sample 21 in 00:12". Bottle ~10L.

Grab samples: Bacteriological, chemistry, and toxicity grabs taken at 03:15 PDT

Field Measurements:

Temperature = 16.9°C	pH = NA*	
DO (%) = 56.7	Conductivity = 806 uS	Salinity = 0.5 ppt
DO(mg/L) = 5.47	Specific Conductance = 956 uS	

*pH = Error. Probe cable had broken away from BNC connector. Tried to create good contact between broken pieces but could not. No confidence in accuracy of broken probe measurement. Added pH to COC for composite sample.

❖ 11/1/2014 @ 11:55 PDT [KH,SG]

6712: Fridge at 3°C. "Program time paced is done." Bottle ~ 18 L. Flushed line with 2 L distilled water. Pump tubing count 179,963. Turned 6712 off.

Composite sample: Pulled at 11:55 PDT.

Notes: Ormond Beach sand berm was breached during storm and channel empty downstream of construction dam. J Street drain full of water from storm runoff above construction dam.

NPDES 2014/2015 Event #1 (Wet)

MO-SIM Simi Valley (Bus Canyon Drain)

❖ 10/31/2014 @ 15:31 PDT [AA]

4230: 0.141', 2 cfs

6712: Fridge at -1°C, turned 1 notch colder. Flushed line with 2L distilled water. Pump count = 15,203. Program flow paced; pacing every 4 pulses. Run program: "Program disabled". Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

❖ 11/1/2014 @ 01:11 PDT [AA, JM]

4230: 0.182', 4 cfs,

6712: "Program done." Bottle full. Fridge at 3°C.

Grab samples: Bacteriological, chemistry, and toxicity grabs taken at 01:20 PDT.

Composite sample: Pulled at 01:20 PDT.

Field Measurements:

Temperature = 16.5°C	pH = 7.84	
DO (%) = 69.7*	Conductivity = 1266* uS	Salinity = 0.7* ppt
DO(mg/L) = 6.85*	Specific Conductance = 1325* uS	

* YSI 85 DO/EC/Salinity meter readings changing erratically. Results suspect.

❖ 11/5/2014 @ 01:11 PDT [KH]

4230: 0.138', 2 cfs (flow in channel invert but below minimum bubbler level)

6712: Flushed line with 2 L distilled water. Pump tubing count 90,612. Turned 6712 off.

MO-SPA Santa Paula (11th Street Drain)

❖ 10/30/2014 @ 09:00 PDT [KH]

Notes: Person sleeping on concrete pad next to drain so staff did not visually inspect intake and flowmeter in reinforced concrete pipe. Notified land owner's (The Nature Conservancy) land manager, who later went to the site and told the trespasser they needed to leave.

4250: 0.053', 0.00 cfs

6712: Fridge at 2°C. Flushed line with 2L distilled water. Pump count = 25,922.

Program flow paced; pacing every 1 pulse. Run program: "Program disabled 08:17 TH 30-OCT". Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

❖ 10/31/2014 @ 22:30 PDT [BS, KP]

Notes: The trespassing person was present at the site and was very agitated. Staff did not exit the vehicle to collect samples due to safety concerns. Therefore, grab samples including chemistry, toxicity, and bacterial indicators are not available for this site for this event.

❖ 11/1/2014 @ 10:51 PDT [JM, DW]

Notes: The trespassing person was not present but a bicycle was in the 36" drainline.

4250: 0.108', 0.04 cfs

6712: "Program is done." Bottle ~ 18 L. Fridge at 4°C. Flushed line with 2 L distilled water. Pump tubing count 178,252. Turned 6712 off.

Composite sample: Pulled at 10:51 PDT.

NPDES 2014/2015 Event #1 (Wet)

❖ Follow Up

VCWPD Staff contacted the Nature Conservancy's Land Manager after the event. The Land Manager had spoken to one of the two trespassers on the 31st and told him they had to move. They said they would but didn't. The two have been a recurring problem for The Nature Conservancy at that site. They have been asked to move, which they sometimes do, they have also been arrested, but they still come back.

The Land Manager will have them removed in the future and also provided VCWPD staff with contact numbers for the local Sheriff's deputies, in case of future non-business hour problems or emergencies. The Land Manager will continue to be the primary contact for non-emergency business hour incidents.

MO-THO Thousand Oaks (Hill Canyon WWTP)

❖ 10/31/2014 @ 15:54 PDT [AA]

4230: 2.233', 2 cfs

6712: Fridge at 3°C. Flushed line with 2L distilled water. Pump count = 16,016. Program flow paced; pacing every 15 pulses. Run program: "Program disabled". Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

❖ 11/1/2014 @ 02:02 PDT [AA, JM]

4230: 2.982', 39 cfs

6712: "Program done. Errors have occurred." Bottle overflowed. Fridge at 2°C.

Grab samples: Bacteriological, chemistry, and toxicity grabs and bacteriological and chemistry duplicates taken at 02:13 PDT. NOTE: Bacteriological duplicates were not submitted to laboratory therefore results are not available. May have been shipped to chemistry laboratory in error.

Composite sample: Pulled at 02:13 PDT.

Field Measurements:

Temperature = 15.7°C	pH = 7.66	
DO (%) = 63.1*	Conductivity = 540* uS	Salinity = 0.3* ppt
DO(mg/L) = 6.50*	Specific Conductance = 601* uS	

* YSI 85 DO/EC/Salinity meter readings changing erratically. Results suspect.

❖ 11/5/2014 @ 10:45 PST [KH]

4230: 2.169', 1 cfs [oss 2.04] 4230 reread 2.26

4230: 2.274' [oss 2.07]

6712: Reviewed program. "No more liquid" samples 4-8, 10, 12, 14, 16-18, 20, and 21. Flushed line with 2 L distilled water. Pump count = 236,929.

❖ Follow Up

Use wire to check orifice tip for plugs. Change sample program to sample based on line length rather than liquid detector.

MO-VEN Ventura (Moon Ditch)

❖ 10/30/2014 @ 15:20 PDT [KH]

4230: 0.040', 1 cfs (channel dry)

6712: Fridge at 2°C. Flushed line with 2L distilled water. Pump count 10,283. Program flow paced; pacing every 6 pulses. Run program: "Program disabled 14:24 TH 30-OCT." Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets left onsite.

NPDES 2014/2015 Event #1 (Wet)

❖ 10/31/2014 @ 22:30 PDT [KH,SG]

4230: 1.395', 168 cfs

6712: Pumping samples continuously while on site so could not effectively check bottle volume or sample number. Fridge at 1°C.

Grab samples: Bacteriological, chemistry, and toxicity grabs taken at 22:45 PDT.

Field Measurements: Temperature = 16.6°C pH = 6.79
DO (%) = 85.8 Conductivity = 163.8 uS Salinity = 0.1 ppt
DO(mg/L) = 8.36 Specific Conductance = 194.7 uS

❖ 11/1/2014 @ 11:00 PDT [WBC]

4230: 0.04', 1 cfs

6712: Fridge @ 4°C. Bottle full. Flushed line with 2 L distilled water. Pump counts 102,372.

Composite sample: Pulled at 11:00 PDT.

Sample Tracking

❖ Bacteria samples to VCHCA (Nadia West):

11/1/14 @ 03:15 PDT (FIL/SIM/MPK/THO): Arne Anselm

11/1/14 @ 03:25 PDT (CC/CAM/OXN): Bram Sercu

11/1/14 @ 04:05 PDT (VR2/OJA/MEI/VEN/HUE): Kelly Hahs

❖ Toxicity samples to Aquatic Bioassay & Consulting Laboratories, Inc. (Michael Machuzak):

11/1/14 @ 05:11PDT (CC/VR2/CAM/OXN/OJA/MEI/VEN/HUE/FIL/SIM/MPK/THO):
Kelly Hahs

❖ Grab and composite samples to Weck Laboratories, Inc. by Weck-provided courier (Reliable Messenger Service):

11/1/14 @ 14:03 PDT (All grabs and composites except SPA grabs and ME-SCR grabs and composites: Kelly Hahs at Saticoy Operations Yard (SOY)

Staff

❖ Ventura County Watershed Protection District (VCWPD)

[AA] Arne Anselm

[KH] Kelly Hahs

[BS] Bram Sercu

[WBC] Bill Carey

❖ JR's Environmental Services (JRE)

[SG] (Steven) Scott Greer

[KP] Kevin Pucket

❖ Gold Coast Environmental Services (GCE)

[JM] Jim McRory

[DW] Dean Wilkinson

NPDES 2014/15 Water Quality Monitoring Event #2 (Wet), December 2-3, 2014 Summary

Notes: The Ventura River and Santa Clara River watersheds were sampled. Most of the Calleguas Creek watershed received over 0.1" rainfall (much greater than forecast) on 11/30/2014 so was excluded from this sample event due to the Permit requirement of 7 days of <0.1" rainfall prior to an event. Weather forecasts produced on the 1st showed rain beginning mid-morning on the 2nd with 1" to 2" in all areas. On the 2nd, forecasts were higher at 2" to 4" in all areas. Sites were reprogrammed for the higher amounts, which did not occur and therefore sample volume was limited at some sites.

Sampling Durations (to nearest 0.5 hours):

ME-SCR = NA.	ME-VR2 = 25.0 hrs.	MO-FIL = 17.0 hrs.
MO-MEI = 26.0 hrs.	MO-OJA = 7.0 hrs.	MO-OXN = 20.0 hrs.
MO-SPA = 20.0 hrs.	MO-VEN = 19.5 hrs.	

Storm Control: Bill Carey

Sampling Crew (during storm):

VR2/OJA/MEI: Kelly Hahs & Dean Wilkinson (GCE)

SPA/FIL/SCR: Bram Sercu & Scott Greer

OXN/VEN: Arne Anselm & Jim McCrory (GCE)

Sampling Crew (composite sample pickup):

VR2/MEI/OJA: Arne Anselm & Dean Wilkinson (GCE)

SCR/SPA/FIL: Bram Sercu & Jim McCrory (GCE)

OXN/VEN: Bill Carey

NPDES ~ MASS EMISSION

ME-SCR Santa Clara River (Freeman Diversion)

❖ 12/1/2014 @ 14:20 PST [KH]

Intake sitting in pool. No surface flow in river at this time. No AC power at site due to United Water Conservation District (UWCD) construction/maintenance. UWCD arrived onsite to turn on power soon after. Will only be sampleable if get enough flow to flush out sediment.

6712: Fridge at 18°C. Flushed line with 2L distilled water. Pump count = 311,879. Program time paced 18 hours, sample every 30 minutes. Run program: "Program disabled 14:48 MO 1-DEC". Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets still onsite from last event

❖ 12/2/2014 @ 11:40 PST [BS,SG]

6712: Intake in pool, no surface flow in river. "Sample 4 in 00:15". Emptied composite bottle and reinstalled. "Sample 5 in 00:23." Fridge at 2°C.

Grab samples and Field Measurements: River bottom dry. Pond at intake present but no connection to flow/surface water. Grabs and field measurements not taken.

❖ 12/3/2014 @ 09:20m PST [BS,JM]

6712: "Program time paced done." Composite bottle full. Emptied composite bottle because no storm flow occurred. Flushed line with 2L distilled water. Unused (clean) grab and toxicity bottles were left onsite for next event.

NPDES 2014/2015 Event #2 (Wet)

ME-VR2 Ventura River (Ojai Valley Sanitary District)

❖ 12/1/2014 @10:15 PST [KH]

4230: 1.792', 0 cfs. Cleared muck out from under orifice tip.

4230: 1.792' – 1.816' erratic readings. Manual purge. Cleared orifice tip with wire.

4230: 1.793', 0 cfs [oss ~ 3.2']

6712: Fridge at 0°C. Flushed line with 2L distilled water. Pump count = 428,820.

Program flow paced; pacing every 100 pulses. Run program, "Program disabled 10:34 MO 1-DEC". Installed labeled composite bottle, lid off. Grab bottles left onsite.

❖ 12/2/2014 @ 11:52 PST [KH,DW]

4230: 1.998', 3 cfs

6712: "Sample 2 after 81 pulses." Volume ~500 ml. Fridge at 4°C.

Grab samples: Bacteriological and chemistry grabs taken from main channel @ 12:05 PST.

Field Measurements:

Temperature = 13.7°C	pH = 7.80
DO (%) = 83.5	Conductivity = 1074 uS
DO (mg/L) = 8.59	Salinity = 0.7 ppt
	Specific Conductance = 1370 uS

❖ 12/3/2014 @ 10:54 PST [AA,DW]

4230: 1.881', 1 cfs

6712: "Sample 18 after 100 pulses. Warning: Replace Pump Tubing." Stopped program. Bottle ~ 9 L. Fridge at 1°C. Flushed line 2L distilled water. Pump count = 535,726.

Composite sample: Pulled at 10:54 PST.

NPDES ~ MAJOR OUTFALLS

MO-FIL Fillmore (North Fillmore Drain)

❖ 12/1/2014 @ 09:40 PST [KH]

4230: 0.043'

6712: Fridge at -2°C, turned one notch warmer. Flushed line with 2L distilled water. Pump count 191,591. Program ~ 18 hour time-paced program, sample every 30 minutes. Run program "Program disabled 13:45 MO 1-DEC." Installed labeled composite bottle, lid off. Grab bottles left onsite.

❖ 12/2/2014 @ 10:45 PST [BS,SG]

4230: 0.731'

6712: "Sample 7 in 00:24:05." Bottle ~ 3.5 L. Fridge at 2°C.

Grab samples: Bacteriological and chemistry grabs taken at 10:55 PST.

Field Measurements:

Temperature = 15.0°C	pH = 7.20
DO (%) = 96.5	Conductivity = 110.7 uS
DO (mg/L) = 9.68	Salinity = 0.1 ppt
	Specific Conductance = 135.9 uS

❖ 12/3/2014 @ 09:55 PST [BS,JM]

4230: 0.149'

6712: "Program is done." Fridge at -2°C. Flushed line with 2 L distilled water. Pump counts 337,096. Bottle ~ 15 L.

NPDES 2014/2015 Event #2 (Wet)

Composite sample: Pulled at 09:55 PST.

MO-MEI Meiners Oaks (Happy Valley Drain)

❖ 12/1/2014 @ 11:10 PST [KH]

4230: 0.084', 1 cfs (channel dry)

6712: Fridge at 1°C. Flushed line with 2L distilled water. Pump count = 102,855. Program flow paced; pacing every 8 pulses. Run program: "Program disabled 11:17 MO 1-DEC." Installed labeled composite bottle, lid off. Grab bottles left onsite. Marked chalk line for high water mark.

❖ 12/2/2014 @ 11:05 PST [KH,DW]

4230: 0.344', 22 cfs [oss~ 0.3']

6712: "Sample 5 after 5 pulses." Bottle ~ 2L. Fridge at 4°C. Turned one notch colder.

Grab samples: Bacteriological and chemistry grabs taken at 11:15 PST.

Field Measurements: Temperature = 14.0°C pH = 7.75
DO (%) = 93.4 Conductivity = 48.7 uS Salinity = 0.0 ppt
DO(mg/L) = 9.69 Specific Conductance = 64.1 uS

❖ 12/3/2014 @ 10:23 PST [AA,DW]

4230: 0.098', 2 cfs

6712: "Program disabled." Flushed line with 2 L distilled water. Pump counts 140,459. Bottle ~ 8 L. Fridge at 1°C.

Composite sample: Pulled 10:23 PST.

MO-OJA Ojai (Fox Canyon Barranca)

❖ 12/1/2014 @ 11:45 PST [KH]

4230: 0.101', 5 cfs (no flow)

6712: Fridge at 1°C. Flushed line with 2L distilled water. Pump count = 110,999. Program flow paced; pacing every 10 pulses. Run program: "Program disabled 11:52 MO 1-DEC". Installed labeled composite bottle, lid off. Grab bottles left onsite. Marked chalk for high water line.

❖ 12/2/2014 @ 10:25 PST [KH,DW]

4230: 0.385', 34 cfs

6712: Fridge at 2°C. "Sample 4 after 5 pulses". Bottle ~ 2.5 L.

Grab samples: Bacteriological and chemistry grabs taken at 10:30 PST.

Field Measurements: Temperature = 13.9°C pH = 7.65
DO (%) = 91.8 Conductivity = 52.1 uS Salinity = 0.0 ppt
DO(mg/L) = 9.47 Specific Conductance = 66.3 uS

❖ 12/3/2014 @ 09:57 PST [AA,DW]

4230: 0.101', 5 cfs

6712: "Program disabled." Bottle ~ 6.5 L. Fridge at 0.05°C. Flushed line with 2 L distilled water. Pump tubing count 139,508.

Composite sample: Pulled 09:57 PST.

NPDES 2014/2015 Event #2 (Wet)

MO-OXN Oxnard (El Rio Drain)

❖ 12/1/2014 @ 09:25 PST [KH]

4230: 0.109', 0.2 cfs (channel almost dry)

6712: Fridge at 4°C, turned colder. Flushed line with 2L distilled water. Pump count 116,274. Program flow paced; pacing every 30 pulses. Run program: "Program disabled 09:32 MO 1-DEC". Installed labeled composite bottle, lid off. Grab bottles left onsite.

❖ 12/2/2014 @ 10:02 PST [AA, JM]

4230: 1.594', 53.8 cfs

6712: Fridge at 0.05°C. "Sample 8 after 27 pulses." Bottle ~3.5 L.

Grab samples: Bacteriological and chemistry grabs and field duplicates taken at 10:10 PST.

Field Measurements:

Temperature = 15.1°C	pH = 6.99	
DO (%) = 84.2	Conductivity = 48.2 uS	Salinity = 0.0 ppt
DO(mg/L) = 8.22	Specific Conductance = 37.8 uS (SC fluctuated before stabilizing)	

Notes: Outside staff gage 1.9' at 10:28 PST.

❖ 12/3/2014 @ 09:48 PST [WBC]

4230: 0.165', 0.7 cfs

6712: Fridge @ 2°C. "Program disabled." Bottle ~ 10 L. Flushed line with 2 L distilled water. Pump tubing count 176,688.

Composite sample: Pulled at 09:51 PST.

MO-SPA Santa Paula (11th Street Drain)

❖ 12/1/2014 @ 12:55 PST [KH]

4250: 0.063', 0.01 cfs (dry)

6712: Fridge at 4°C, turned colder. Flushed line with 2L distilled water. Pump count = 184,004. Program flow paced; pacing every 10 pulses. Run program: "Program disabled 13:06 MO 1-DEC". Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets still onsite from last event.

❖ 12/2/2014 @ 10:00 PST [BS, SG]

4250: 0.702', 10.65 cfs, 7.6 fps

6712: "Sample 4 after 6 pulses." Bottle ~ 2 L. Fridge at 3°C.

Grab samples: Bacteriological and chemistry grabs taken at 10:10 PST.

Field Measurements:

Temperature = 14.7°C	pH = 6.26	
DO (%) = 94.6	Conductivity = 58.7 uS	Salinity = 0.0 ppt
DO(mg/L) = 9.60	Specific Conductance = 72.8 uS	

❖ 12/3/2014 @ 10:18 PST [BS, JM]

4250: 0.095', 0.02 cfs

6712: Fridge at 2°C. "Program disabled." Stopped program. Bottle ~ half full (~ 9L). Flushed line with 2L distilled water. Pump count = 275,976.

Composite sample: Pulled at 10:18 PST.

NPDES 2014/2015 Event #2 (Wet)

MO-VEN Ventura (Moon Ditch)

❖ 12/1/2014 @ 09:00 PST [KH]

4230: 0.042', 1 cfs (channel dry)

6712: Fridge at -1°C, turned 2 notches warmer. Flushed line with 2L distilled water. Pump count 108,802. Program flow paced; pacing every 50 pulses. Run program: "Program disabled 09:08 MO 1-DEC." Installed labeled composite bottle, lid off. Grab bottles left onsite.

❖ 12/2/2014 @ 10:50 PST [AA, JM]

4230: 0.927', 84 cfs [oss 0.7' but not concurrent with 4230 measurement]

6712: "Sample 8 after 47 pulses". Bottle ~ 2 L. Fridge at 0.05°C.

Grab samples: Bacteriological and chemistry grabs taken at 11:00 PST.

Field Measurements: Temperature = 15.1°C pH = 7.51
DO (%) = 81.1 Conductivity = 86.1 uS Salinity = 0.1 ppt
DO(mg/L) = 8.0 Specific Conductance = 106.5 uS

❖ 12/3/2014 @ 09:21 PST [WBC]

4230: 0.040', 1 cfs

6712: "Program disabled." Fridge @ 4°C. Bottle ~ 7 L. Flushed line with 2 L distilled water. Pump counts 146,220.

Composite sample: Pulled at 09:26 PST.

Sample Tracking

❖ Bacteria samples to VCHCA (Nadia West):

12/2/2014 @ 11:35 PST (VEN/OXN/FD-1): Arne Anselm

12/2/2014 @ 12:30 PST (FIL/SPA): Bram Sercu

12/2/2014 @ 12:57 PST (VR2/OJA/MEI): Kelly Hahs

❖ Toxicity sample (SPA) to Aquatic Bioassay & Consulting Laboratories, Inc. (Lorena Marguez):

12/2/2014 @ 13:25 PST: Bram Sercu

❖ Grab and composite samples to Weck Laboratories, Inc. by Weck-provided courier (Reliable Messenger Service):

12/3/2014 @ 13:20 PST (all grabs and composites except ME-SCR (no flow)): Bill Carey at County Government Center.

Staff

❖ Ventura County Watershed Protection District (VCWPD)

[AA] Arne Anselm

[WBC] Bill Carey

[KH] Kelly Hahs

[SG] Stephen "Scott" Greer

[BS] Bram Sercu

❖ Gold Coast Environmental Services (GCE)

[JM] Jim McCrory

[DW] Dean Wilkinson

NPDES 2014/15 Water Quality Monitoring Event #3 (Wet), December 11-12, 2014 Summary

Notes: Forecast amounts are 1" to 2" coast and 2" to 4" foothills and mountains. County-wide storm 1.5" – 2.5" fell across the county.

Sampling Durations (to nearest 0.5 hours):

ME-CC = 6.0 hrs.	ME-SCR = NA.	ME-VR2 = 5.5 hrs.
MO-CAM = 0.5 hrs.	MO-FIL = 6.0 hrs.	MO-HUE = 6.0 hrs.
MO-MEI = 4.5 hrs.	MO-MPK = 1.0 hrs.	MO-OJA = 1.5 hrs.
MO-OXN = 4.0 hrs.	MO-SIM = 1.5 hrs.	MO-SPA = 5.0 hrs.
MO-THO = 1.0 hrs.	MO-VEN = 4.0 hrs.	

Storm Control: Bill Carey

Sampling Crew (during storm):

VR2/OJA/MEI: Kelly Hahs & Kevin Pucket (JRE)
SCR/SPA/FIL/VEN: Arne Anselm & Wendy Willis (ABC)
CC/OXN/CAM/HUE: Bram Sercu & Dean Wilkinson (GCE)
MPK/SIM/THO: Jim McCrory (GCE) & Scott Greer (JRE)

Sampling Crew (composite sample pickup):

THO: Jim McCrory (GCE) & Scott Greer (JRE) during storm
VR2/MEI/OJA: Bram Sercu
SCR/HUE/OXN/VEN: Kelly Hahs & Kevin Pucket (JRE)
SPA/FIL/MPK/SIM: Bill Carey & Dean Wilkinson (GCE)
CAM/CC: Scott Greer (JRE)

NPDES ~ MASS EMISSION

ME-CC Calleguas Creek (CSUCI Bridge)

❖ 12/10/2014 @ 14:44 PST [KH]

4230: 1.107', 8 cfs

6712: Fridge at 0°C. Installed wood placement rack and labeled narrow-neck composite bottle, lid off. Flushed line with 2L distilled water. Program flow paced; pacing every 1100 pulses. Run program, "Program disabled 04:53 WE 10-DEC". Grab bottles left onsite.

❖ 12/12/2014 @ 03:15 PST [BS,DW]

4230: 1.892', 294 cfs

6712: "Sample 2 after 885 pulses." Volume ~ 1 L. Fridge at 2°C.

Grab samples: Bacteriological and chemistry grabs taken at check structure @ 03:25 PST.

Field Measurements:	Temperature = 14.9°C	pH = 7.52
DO (%) = 84.0	Conductivity = 471 uS	Salinity = 0.3 ppt
DO (mg/L) = 8.45	Specific Conductance = 579 uS	

❖ 12/12/2014 @ 11:25 PST [SG]

4230: 4.965', 5211 cfs [oss 5']

6712: "Program done." Bottle full to rim. Fridge at -1°C. Flushed line 2L distilled water. Pump count = 744,597.

NPDES 2014/2015 Event #3(Wet)

Composite sample: Pulled at 11:30 PST.

ME-SCR Santa Clara River (Freeman Diversion)

❖ 12/11/2014 @ 13:08 PST [KH]

Intake sitting in same pool dug for Event 1. Still no surface flow in river at this time. Checked line – not in sediment.

4210: -2.324'

6712: Fridge at 0°C. Flushed line with 2L distilled water. Program time paced 9 hours, sample every 15 minutes. Run program: "Program disabled 13:12 TH 11-DEC".

Installed labeled, narrow-neck composite bottle, lid off, tubing secured with zip ties. Grab bottles and toxicity buckets still onsite from last event.

❖ 12/12/2014 @ 02:35 PST [AA,WW]

4210: -2.324'

6712: "Sample 4 in 00:15". Bottle 1-2 inches. "Sample 6 in 11:39." Fridge at 1°C.

Grab samples: River now flowing. Sulfur smell at water. Bacteriological, toxicity, and chemistry grabs taken from below dam @ 02:40 PST.

Field Measurements: Temperature = 18.9°C pH = 7.69
DO (%) = 83.6 Conductivity = 62.7 uS Salinity = 0.1 ppt
DO (mg/L) = 6.51 Specific Conductance = 74.2 uS

❖ 12/12/2014 @ 10:22 PST [KH,KP]

4210: -3.039'

6712: "Program time paced done." Composite bottle ~ 4.5 L. Tried to take a manual grab sample at 10:22 but intake line is above the water surface (fast flow combined with rope length used to keep intake from the bottom sediments resulted in intake riding on water surface). Flushed line with 2L distilled water. Pump count 841,622.

Composite sample: Pulled at 10:22 PST.

ME-VR2 Ventura River (Ojai Valley Sanitary District)

❖ 12/10/2014 @ 08:17 PST [KH]

4230: 1.797', 1 cfs

6712: Fridge at 1°C. Replaced lower pump tube. Reset counter to 0. Top tube good for another 500,000 counts. Unplugged 2105c. Calibrate volume 500 ml (liquid detect off).

1) 150 ml, 2) 530 ml, 3) 430 ml. No changes to calibration programming. Flushed line with 2L distilled water. Reconnected 2105c. Program flow paced; pacing every 4 pulses. Run program, "Program disabled 08:57 WE 10-DEC". Installed labeled composite bottle, lid off. Grab bottles left onsite.

❖ 12/11/2014 @ 12:00 PST [WBC]

Notes: Sampler enabled at 20:42 WED 10-DEC, but criteria for enabling were not met. Voltage surges from the battery charger may be responsible for the un-programmed enabling. Installed fresh 103 amp-hour battery and disconnected battery charger. Emptied bottle and restarted program.

❖ 12/12/2014 @ 01:26 PST [KH,KP]

4230: 1.970', 3 cfs

NPDES 2014/2015 Event #3(Wet)

6712: "Sample 2 after 3 pulses." Volume ~ 1 L. Fridge at 4°C. Sample 2 while on site. Bottle volume ~ 2.5 L. Reprogrammed for 16 samples at 500 ml "Sample 1 after 4 pulses".

Grab samples: Bacteriological and chemistry grabs taken from main channel @ 01:35 PST.

Field Measurements: Temperature = 13.8°C pH = 7.42
DO (%) = 74.7 Conductivity = 1181 uS Salinity = 0.8 ppt
DO (mg/L) = 7.70 Specific Conductance = 1503 uS

❖ 12/12/2014 @ 11:58 PST [BS]

4230: 2.196', 9 cfs

6712: "Program done." Bottle ~ 14 L. Fridge at 2°C. Flushed line 2L distilled water. Pump count = 212,071.

Composite sample: Pulled at 12:02 PST.

NPDES ~ MAJOR OUTFALLS

MO-CAM Camarillo (Camarillo Hills Drain)

❖ 12/10/2014 @ 14:26 PST [KH]

4230: 0.034', 10 cfs (channel flow in invert only, <0.01cfs)

6712: Fridge at 2°C. Flushed line with 2L distilled water. Program flow paced; pacing every 50 pulses. Run program: "Program disabled 14:33 WE 10-DEC". Installed wood placement rack and labeled narrow-neck composite bottle, lid off. Grab bottles left onsite.

❖ 12/12/2014 @ 02:25 PST [BS,DW]

4230: 2.452', 723 cfs

6712: "Sample 32 after 47 pulses." Bottle ¾ full. Fridge at 2°C.

Grab samples: Bacteriological and chemistry grabs taken at 02:35 PST.

Field Measurements: Temperature = 13.9°C pH = 8.72/8.82
DO (%) = 95.9 Conductivity = 70.5 uS Salinity = 0.0 ppt
DO(mg/L) = 9.9 Specific Conductance = 89.4 uS

❖ 12/12/2014 @ 10:45 PST [SG]

4230: 0.033', 10 cfs

6712: "Program done." Bottle 85% full, ~ 18 L. Fridge at 2°C. Flushed line with 2 L distilled water. Pump counts 200,206.

Composite sample: Pulled 10:50 PST.

MO-FIL Fillmore (North Fillmore Drain)

❖ 12/10/2014 @ 11:30 PST [KH]

4230: 0.180'

6712: Fridge at 4°C, turned one notch colder. Flushed line with 2L distilled water. Program ~ 6 hour time-paced program, sample every 11 minutes. Run program "Program disabled 11:39 WE 10-DEC." Installed wood placement rack and labeled narrow-neck composite bottle, lid off. Grab bottles left onsite.

❖ 12/12/2014 @ 00:31 PST [AA,WW]

NPDES 2014/2015 Event #3(Wet)

4230: 0.216'

6712: "Program disabled." Bottle empty. Fridge at 2°C.

Grab samples: Bacteriological and chemistry grabs taken at 00:35 PST.

Field Measurements: Temperature = 17.0°C pH = 7.77
DO (%) = 77.4 Conductivity = 2.1 uS Salinity = 0.0 ppt
DO (mg/L) = 7.56 Specific Conductance = 2.7 uS

❖ 12/12/2014 @ 10:56 PST [WBC,DW]

4230: 1.844'

6712: "Program is done." Fridge at 4°C. Flushed line with 2 L distilled water. Pump counts 490,031. Bottle ~ 85% full.

Composite sample: Pulled at 10:58 PST.

MO-MEI Meiners Oaks (Happy Valley Drain)

❖ 12/10/2014 @ 09:18 PST [KH]

4230: 0.082', 1 cfs (channel dry)

6712: Fridge at 3°C. Flushed line with 2L distilled water. Program flow paced; pacing every 12 pulses. Run program: "Program disabled 09:33 WE 10-DEC". Installed wood placement rack and labeled narrow-neck composite bottle, lid off. Grab bottles left onsite.

❖ 12/12/2014 @ 00:35 PST [KH,KP]

4230: 0.082', 1 cfs

6712: "Program disabled." Bottle empty. Fridge at 0°C.

Grab samples: Bacteriological and chemistry grabs taken at 00:40 PST.

Field Measurements: Temperature = 15.2°C pH = 7.52
DO (%) = 106.4 Conductivity = 101 uS Salinity = 0.1 ppt
DO(mg/L) = 10.67 Specific Conductance = 123 uS

❖ 12/12/2014 @ 11:30 PST [BS]

4230: 0.172', 6 cfs

6712: "Program done." Bottle full. Fridge at 2°C. Flushed line with 2 L distilled water. Pump counts 228,002.

Composite sample: Pulled 11:30 PST.

MO-MPK Moorpark (Walnut Canyon Drain)

❖ 12/10/2014 @ 12:14 PST [KH]

4230: 0.074', 0.2 cfs (channel dry)

6712: Fridge at 2°C. Flushed line with 2L distilled water. Program flow paced; pacing every 6 pulses. Run program: "Program disabled 12:25 WE 10-DEC". Installed wood placement rack and labeled narrow-neck composite bottle, lid off. Grab bottles left onsite.

❖ 12/12/2014 @ 02:10 PST [JM,SG]

4230: 0.10', 0.5 cfs; @ 02:20 PST 0.985', 59.4 cfs

6712: "Program disabled." Bottle empty. Fridge at 2°C.

Grab samples: Bacteriological and chemistry grabs taken at 02:10 PST.

NPDES 2014/2015 Event #3(Wet)

Field Measurements: Temperature = 13.4°C pH = 7.20
DO (%) = 96.7 Conductivity = 89.2 uS Salinity = 0.1 ppt
DO(mg/L) = 10.13 Specific Conductance = 115.4 uS

❖ 12/12/2014 @ 11:32 PST [WBC,DW]

4230: 0.176', 2.4 cfs

6712: "Program done." Bottle 85% full. Fridge at 4°C. Flushed line with 2 L distilled water. Pump counts 349,767.

Composite sample: Pulled 11:34 PST.

MO-OJA Ojai (Fox Canyon Barranca)

❖ 12/10/2014 @ 09:56 PST [KH]

4230: 0.099', 5 cfs (no flow)

6712: Fridge at 3°C. Flushed line with 2L distilled water. Program flow paced; pacing every 10 pulses. Run program: "Program disabled 10:10 WE 10-DEC". Installed labeled composite bottle, lid off. Grab bottles left onsite.

❖ 12/12/2014 @ 00:00 PST [KH,KP]

4230: 0.100', 5 cfs

6712: Fridge at 1°C. "Program disabled". Bottle empty.

Grab samples: Bacteriological and chemistry grabs taken at 00:10 PST.

Field Measurements: Temperature = 14.5°C pH = 7.52
DO (%) = 107.4 Conductivity = 68.2 uS Salinity = 0.0 ppt
DO(mg/L) = 10.95 Specific Conductance = 83.4 uS

❖ 12/12/2014 @ 11:00 PST [BS]

4230: 0.106', 5 cfs

6712: "Program done." Bottle ~ 90% full. Fridge at 2°C. Flushed line with 2 L distilled water. Pump tubing count 233,572.

Composite sample: Pulled 11:05 PST.

MO-OXN Oxnard (El Rio Drain)

❖ 12/11/2014 @ 10:05 PST [KH]

4230: 0.108', 0.2 cfs (no flow)

6712: Fridge at -3°C, turned warmer. Flushed line with 2L distilled water. Installed wood placement rack and labeled narrow-neck composite bottle, lid off. Program flow paced; pacing every 20 pulses. Run program: "Program disabled 10:11 TH 11-DEC". Grab bottles left onsite.

❖ 12/12/2014 @ 00:11 PST [BS,DW]

4230: 0.32', 2.7 cfs [oss 0.28']

6712: Fridge at 0°C. "Sample 4 after 13 pulses." Bottle ~2 L.

Grab samples: Bacteriological and chemistry grabs taken at 00:20 PST.

Field Measurements: Temperature = 16.5°C pH = 7.52
DO (%) = 80.2 Conductivity = 155.2 uS Salinity = 0.1 ppt
DO(mg/L) = 7.80 Specific Conductance = 186.4

❖ 12/12/2014 @ 11:04 PST [KH,KP]

NPDES 2014/2015 Event #3(Wet)

4230: 0.284', 2.2 cfs

6712: Fridge @ 2°C. "Program done." Bottle ~ 19 L. Flushed line with 2 L distilled water. Pump tubing count 276,852.

Composite sample: Pulled at 11:10 PST.

MO-HUE Port Hueneme (Hueneme Drain)

❖ 12/10/2014 @ 15:30 PST [KH]

6712: Fridge at 1°C. Flushed line with 2L distilled water. Installed labeled narrow-neck composite bottle, lid off, tubing secured with zip ties. Program ~ 6 hour event, 11 minute pacing. Run program: "Program disabled 15:36 WE 10-DEC". Grab bottles left onsite.

❖ 12/12/2014 @ 01:05 PST [BS,DW]

6712: Fridge at 2°C. "Program disabled." Bottle empty.

Grab samples: Bacteriological and chemistry grabs taken at 01:40 PST. Waited to take grabs until 6712 enabled.

Field Measurements:

Temperature = 14.8°C	pH = 7.78
DO (%) = 77.4	Conductivity = 2134 uS
DO(mg/L) = 7.93	Salinity = 1.4 ppt
	Specific Conductance = 2699 uS

❖ 12/12/2014 @ 11:45 PST [KH,KP]

6712: Fridge @ 2°C. "Program done." Bottle ~ 19 L. Flushed line with 2 L distilled water. Pump tubing count 336,037. Turned 6712 off.

Composite sample: Pulled at 11:45 PST.

MO-SPA Santa Paula (11th Street Drain)

❖ 12/10/2014 @ 10:57 PST [KH]

4250: 0.060', 0.03 cfs (dry)

6712: Fridge at 1°C. Flushed line with 2L distilled water. Installed wood placement rack and labeled narrow-neck composite bottle, lid off. Program flow paced; pacing every 7 pulses. Run program: "Program disabled 11:06 WE 10-DEC". Grab bottles left onsite.

❖ 12/11/2014 @ 23:50 PST [AA,WW]

4250: 0.217', 0.81 cfs

6712: "Sample 3 after 7 pulses." Bottle ~ 1" full. Fridge at 0.05°C.

Grab samples: Bacteriological and chemistry grabs taken at 23:55 PST.

Field Measurements:

Temperature = 16.3°C	pH = 7.49
DO (%) = 96.1	Conductivity = 1.5 uS
DO(mg/L) = 9.40	Salinity = 0.0 ppt
	Specific Conductance = 1.9 uS

❖ 12/12/2014 @ 10:30 PST [WBC,DW]

4250: 0.168', 0.32 cfs

6712: "Program done." Fridge at 4°C. Bottle ~ 85% full. Flushed line with 2L distilled water. Pump count = 434,743.

Composite sample: Pulled at 10:30 PST.

MO-SIM Simi Valley (Bus Canyon Drain)

❖ 12/10/2014 @ 12:56 PST [KH]

NPDES 2014/2015 Event #3(Wet)

4230: 0.139', 2 cfs (flow below orifice tip)

6712: Fridge at 1°C. Flushed line with 2L distilled water. Installed wood placement rack and labeled narrow-neck composite bottle, lid off. Program flow paced; pacing every 22 pulses. Run program: "Program disabled 12:57 WE 10-DEC". Installed labeled composite bottle, lid off. Grab bottles and toxicity buckets still onsite from last event.

❖ 12/12/2014 @ 02:48 PST [JM,SG]

4230: 1.384', 103 cfs

6712: "Sample 8 after 6 pulses." Fridge at -1°C.

Grab samples: Bacteriological and chemistry grabs taken at 03:00 PST. Oil and Grease bottle broke, used back up.

Field Measurements: Temperature = 13.2°C pH = 7.71
DO (%) = 76.3 Conductivity = 70.1 uS Salinity = 0.0 ppt
DO(mg/L) = 8.17 Specific Conductance = 90.7 uS

❖ 12/12/2014 @ 11:59 PST [WBC,DW]

4230: 0.216', 5 cfs

6712: Fridge at 4°C. "Program done." Bottle ~ 90% full. Flushed line with 2L distilled water. Pump count = 163,303.

Composite sample: Pulled at 12:00 PST.

MO-THO Thousand Oaks (Hill Canyon WWTP)

❖ 12/10/2014 @ 13:40 PST [KH]

4230: 2.096', 1 cfs

6712: Fridge at 4°C. Flushed line with 2L distilled water. Program flow paced; pacing every 55 pulses. Run program: "Program disabled 13:46 WE 10-DEC". Installed wood placement rack and labeled narrow-neck composite bottle, lid off. Grab bottles onsite

❖ 12/12/2014 @ 03:50 PST [JM,SG]

4230: 8.94', 788 cfs

6712: "Program done." Bottle ~ 90% full. Fridge at 4°C. Collected composite bottle.

Grab samples: Bacteriological and chemistry grabs taken at 03:50 PST.

Field Measurements: Temperature = 12.8°C pH = 8.61/8.65/8.65
DO (%) = 106.4 Conductivity = 129.2 uS Salinity = 0.1 ppt
DO(mg/L) = 11.30 Specific Conductance = 168.6 uS

Composite sample: Pulled at 03:50 PST.

❖ 12/16/2014 @ 14:35 PST [SG]

4230: 2.205', 2 cfs

6712: Fridge at -2°C. Flushed line with 2L distilled water. Pump count = 447,349.

MO-VEN Ventura (Moon Ditch)

❖ 12/11/2014 @ 09:42 PST [KH]

4230: 0.042', 1 cfs (no flow)

6712: Fridge at 2°C. Flushed line with 2L distilled water. Program flow paced; pacing every 32 pulses. Run program: "Program disabled 09:48 TH 11-DEC." Installed wood

NPDES 2014/2015 Event #3(Wet)

placement rack and labeled narrow-neck composite bottle, lid off. Grab bottles left onsite.

❖ 12/12/2014 @ 01:22 PST [AA,WW]

4230: 2.196', 315 cfs

6712: "Sample 4 after 4 pulses". Bottle < 1". Fridge at 2°C.

Grab samples: Bacteriological and chemistry grabs taken at 01:30 PST.

Field Measurements: Temperature = 13.5°C pH = 7.72
DO (%) = 87.6 Conductivity = 1.6 uS Salinity = 0.0 ppt
DO(mg/L) = 8.66 Specific Conductance = 2.1 uS

❖ 12/12/2014 @ 12:22 PST [KH,KP]

4230: 0.101', 2 cfs

6712: "Program done." Fridge @ 2°C. Bottle ~ 19 L. Flushed line with 2 L distilled water. Pump counts 247,697. Turned 6712 off.

Composite sample: Pulled at 12:22 PST.

Sample Tracking

❖ Bacteria samples to VCHCA (Nadia West):

12/12/2014 @ 03:00 PST (VR2/MEI/OJA): Kelly Hahs

12/12/2014 @ 03:56 PST (SCR/FIL/SPA/VEN): Kelly Hahs for Arne Anselm

12/12/2014 @ 03:55 PST (CC/CAM/OXN/HUE): Bram Sercu

12/12/2014 @ 04:30 PST (SIM/MPK/THO): Scott Greer

❖ Toxicity sample (SCR) to Aquatic Bioassay & Consulting Laboratories, Inc. (Jim Mann): 12/12/2014 @ 10:35 PST: Bram Sercu

❖ Grab and composite samples to Weck Laboratories, Inc. by Weck-provided courier: 12/12/2014 @ 13:40 PST (all sites): Kelly Hahs at Saticoy Operations Yard.

Staff

❖ Ventura County Watershed Protection District (VCWPD)

[AA] Arne Anselm

[BS] Bram Sercu

[KH] Kelly Hahs

[WBC] Bill Carey

❖ Gold Coast Environmental Services (GCE)

[JM] Jim McCrory

[DW] Dean Wilkinson

❖ J.R. Environmental Services (JRE)

[SG] Stephen "Scott" Greer

[KP] Kevin Pucket

❖ Aquatic Bioassay & Consulting Laboratories, Inc. (ABC)

[WW] Wendy Willis

NPDES 2014/15 Water Quality Monitoring Event #4 (Wet), April 7-8, 2015 Summary

Notes: Two major outfall sites in the Ventura River watershed were successfully sampled. Part of the sampling line at ME-VR2 became disconnected, so composite samples could not be collected, however the site also did not see the 20% flow increase required by the Permit. The Santa Clara River and Calleguas Creek watersheds were set up for sampling but did not receive qualifying rainfall with the exception of ME-SCR, so they were excluded from this event, however some bacteria samples were collected and analyzed. These samples will be entered into the database under the event name 2014/15-4 with the EventType of Non-Qualifying (for non-qualifying) and will be flagged in the comments with the rainfall amount. Part of the intake line at ME-SCR was kinked resulting in no composite sample for that site.

Composite Sampling Durations (to nearest 0.5 hours):

MO-MEI = 1.0 hrs. MO-OJA = 1.0 hrs.

Qualifying Site Summary (rainfall, samples analyzed)

ME-SCR = 0.33", bacteria

ME-VR2 = ~0.2" [rain gauge error (0.01")], grab samples

MO-MEI = 0.22", all samples

MO-OJA = 0.24", all samples

Non-Qualifying Site Summary (rainfall, samples analyzed)

MO-CAM = 0.03", bacteria

MO-FIL = 0.10", bacteria

MO-SPA = 0.01", bacteria

MO-VEN = 0.04", bacteria

MO-HUE = 0.13", none (identified as non-qualifying prior to analysis)

MO-OXN = 0.04", none (identified as non-qualifying prior to analysis)

ME-CC = 0", none (not sampled)

MO-MPK = 0", none (not sampled)

MO-SIM = 0", none (not sampled)

MO-THO = 0", none (not sampled)

Storm Control: Bill Carey

Sampling Crew (during storm):

VR2/OJA/MEI: Kelly Hahs & Noel De Jesus (ABC)

SCR/FIL/SPA/VEN: Bram Sercu & Casey Lanier

CAM: Arne Anselm & Dean Wilkinson (GCE)

OXN/HUE: Tommy Liddell & Barbara Council

CC/SIM/MPK/THO: Not sampled

Sampling Crew (composite sample pickup):

MEI/OJA: Kelly Hahs & Bram Sercu

NPDES ~ MASS EMISSION

ME-VR2 Ventura River (Ojai Valley Sanitary District)

❖ **4/6/2015 @ 13:40 PDT [KH]**

NPDES 2014/2015 Event #4 (Wet)

4230: 2.344', 14 cfs. Cleaned very small amount of sediment from under orifice tip. OSS 2.34. 4230 stage did not change.

6712: Fridge at 0°C. Flushed line with 2L distilled water. Pump count = 221,948. Program flow paced; pacing every 12 pulses. Run program, "Program disabled 13:10 MO 6-APR". Installed labeled composite bottle, lid off. Grab bottles left onsite.

❖ 4/7/2015 @ 16:40 PDT [KH,ND]

4230: 2.387, 16 cfs

6712: "Sample 4 after 2 pulses." Bottle empty. Fridge at 2°C.

6712 Troubleshoot: Grab sample produced no liquid. 600 ml grab sample produced no liquid. Intake strainer submerged, not clogged. Strong suction at upper pump. Lower pump had water in box and a hose disconnected on the river side of the pump. The sample line had retracted into the 2" galvanized pipe and could not be pulled beyond 0.5 inch from the housing with pliers. Issue could not be rectified in time for this event. Stopped program, turned 6712 off, recapped bottle.

Grab samples: Bacteriological and chemistry grabs taken from main channel @ 16:50 PDT.

Field Measurements: Temperature = 15.6°C pH = 7.45
DO (%) = 94.7 Conductivity = 950 uS Salinity = 0.6 ppt
DO (mg/L) = 9.33 Specific Conductance = 1156 uS

❖ 4/14/2015 @ 10:00 PDT [WBC]

4230: Pulled for repair. Rain gauge circuit at gauge is good.

6712: Repaired intake line but will need to encase lower end with a pipe nipple.

❖ 4/16/2015 [WBC]

2105ci: Pulled for repair, will not read rain gauge tips.

ME-SCR Santa Clara River (Freeman Diversion Dam)

❖ 4/6/2015 @ 10:23 PDT [BS]

4210: 6.411'

6712: Fridge at 0°C. Lifted intake swing arm from sediment bed. Lowered intake back into water. Grab sample 700 ml with a lot of sediment. Suspended arm on rope with the intake approximately 4-5 feet below the water. Grab sample 1000 ml with much less sediment. Pump counts 891,693. Replaced tubing, reset alarm. Flushed line 2L distilled water. Programmed time paced, every 20 minute for 18 samples. Run program, "Program disabled 10:23 MO 6-APR". Installed labeled composite bottle, lid off. Grab bottles left onsite.

❖ 4/7/2015 @ 17:34 PDT [BS,CL]

4210: 6.517'

6712: "Sample 8." Bottle < 10%. Fridge at 2°C.

Grab samples: Bacteriological and chemistry grabs taken @ 17:40 PDT.

Field Measurements: Temperature = 17.1°C pH = 7.76
DO (%) = 124.4 Conductivity = 1695 uS Salinity = 1.0 ppt
DO (mg/L) = 11.87 Specific Conductance = 1996 uS

❖ 4/8/2015 @ 10:40 PDT [KH,BS]

4210: 6.567'

NPDES 2014/2015 Event #4 (Wet)

6712: “Program done”. Volume ~ 500 ml. View report all samples show no errors but pump count = 0 for all samples. Pump counts 159,131. Fridge at 0°C. Kink in tube on intake side of pump preventing operation. Need to allow more of a curve in the tubing when installing.

NPDES ~ MAJOR OUTFALLS

MO-MEI Meiners Oaks (Happy Valley Drain)

❖ 4/6/2015 @ 13:00 PDT [KH]

4230: 0.082', 1 cfs (channel dry)

6712: Fridge at 4°C, turned dial 2 notches cooler. Visually inspected intake and pump tube. Flushed line with 2L distilled water. Pump count = 234,615. Program flow paced; pacing every 1 pulse. Run program: “Program disabled 12:05 MO 6-APR.” Installed labeled composite bottle, lid off. Grab bottles left onsite. Marked chalk line under bridge for high water mark.

❖ 4/7/2015 @ 15:00 PDT [KH,ND]

4230: 0.146', 4 cfs (below orifice tip)

6712: Flow began while onsite. Samples 1-3 taken while onsite. Bottle ~ 1.5L. Fridge at 3°C.

Grab samples: Bacteriological and chemistry grabs taken at 15:00 PDT.

Field Measurements:

Temperature = 17.0°C	pH = 6.82
DO (%) = 91.6	Conductivity = 181.7 uS
DO(mg/L) = 8.90	Salinity = 0.1 ppt
	Specific Conductance = 215.4 uS

6712: 14:13 PST “Sample 12 after 1 pulse”

❖ 4/8/2015 @ 09:05 PDT [KH,BS]

4230: 0.082', 1 cfs (no flow) High water mark 0.75”

6712: “Program disabled.” Flushed line with 2 L distilled water. Pump counts 300,248. Bottle ~ 16 L. Fridge at -1°C.

Composite sample: Pulled 09:06 PDT.

MO-OJA Ojai (Fox Canyon Barranca)

❖ 4/6/2015 @ 12:30 PDT [KH]

4230: 0.102', 5 cfs (channel damp, no flow)

6712: Fridge at 0°C. Flushed line with 2L distilled water. Pump count = 240,017. Visually checked tubing intake strainer. Program flow paced; pacing every 1 pulse. Run program: “Program disabled 11:31 MO 6-APR”. Installed labeled composite bottle, lid off. Grab bottles left onsite.

❖ 4/7/2015 @ 14:05 PDT [KH,ND]

4230: 0.100', 5 cfs (flow below orifice tip)

6712: Fridge at 0°C. “Program disabled”. Bottle empty.

❖ 4/7/2015 @ 15:50 PDT [KH,ND]

4230: 0.101', 5 cfs

6712: Fridge at 2°C. “Program disabled”. Bottle ~15L.

Grab samples: Bacteriological and chemistry grabs taken at 15:40 PDT.

NPDES 2014/2015 Event #4 (Wet)

Field Measurements: Temperature = 17.3°C pH = 7.63
DO (%) = 96.2 Conductivity = 89.3 uS Salinity = 0.1 ppt
DO(mg/L) = 9.25 Specific Conductance = 104.8 uS

❖ 4/8/2015 @ 08:25 PDT [KH,BS]

4230: 0.102', 5 cfs (no flow)

6712: "Program disabled." Bottle ~ 16 L. Fridge at 1°C. Flushed line with 2 L distilled water. Pump tubing count 311,317.

Composite sample: Pulled 08:30 PDT.

Sample Tracking

❖ Bacteria samples to VCHCA (Nadia West):

4/7/2015 @ 17:05 PST (VR2/OJA/MEI): Kelly Hahs

4/7/2015 @ 17:00 PST (CAM): Arne Anselm

4/7/2015 @ 18:25 PST (SCR/FIL/SPA/VEN): Bram Sercu

❖ Weck Laboratories, Inc. by Weck-provided courier:

4/8/2015 @ 13:20 PST (grab samples VR2/OJA/MEI and composite samples OJA/MEI):
Bram Sercu at County Government Center.

Staff

❖ Ventura County Watershed Protection District (VCWPD)

[AA] Arne Anselm

[KH] Kelly Hahs

[BS] Bram Sercu

[WBC] Bill Carey

[TL] Tommy Liddell

[CL] Casey Lanier

[BC] Barbara Council

❖ Gold Coast Environmental Services (GCE)

[DW] Dean Wilkinson

❖ Aquatic Bioassay & Consulting Laboratories, Inc. (ABC)

[ND] Noel De Jesus

NPDES 2014/15 Water Quality Monitoring Event #5 (Wet), May 15, 2015 Summary

Notes: Wednesday morning forecasts around 0.50", dropped to around 0.25" by the afternoon. Rain started on Thursday, but the event was very showery and unpredictable for grab sample collection. By Friday morning, front was offshore and being kept there by east winds so the larger second band of rain seen in the forecasts did not make it to Ventura County. Teams pulled composite bottles that filled during Thursday evening's showers but only collected grabs at the mass emission stations. OJA and MEI omitted from this event (permit wet requirements complete). HUE did not get enough rain to trigger. OXN and VEN were collected but analysis was canceled due to disqualifying rainfall amounts (0.07"). MPK qualified but collected only a couple of liters of sample.

Sampling Durations (to nearest 0.5 hours):

ME-CC = 9.0 hrs.	ME-SCR = 8.5 hrs.	ME-VR2 = 8.5 hrs.
MO-CAM = 2.5 hrs.	MO-FIL = 5.0 hrs.	MO-MPK = 1.0 hrs.
MO-SIM = 5.5 hrs.	MO-SPA = 5.5 hrs.	MO-THO = 6.5 hrs.

Storm Control: Bill Carey

Sampling Crew:

VR2/OXN/VEN/HUE: Bram Sercu & Jim McCrory (GCE)
SCR/SPA/FIL/CAM: Kelly Hahs & Dean Wilkinson (GCE) CC
CC(grabs)/MPK/SIM/THO: Arne Anselm & Tommy Liddell
CC(composite): Arne Anselm

NPDES ~ MASS EMISSION

ME-CC Calleguas Creek (CSUCI Bridge)

❖ 5/13/2015 @ 13:45 PDT [KH]

4230: 1.050', 5 cfs [OSS 1.05]

6712: Fridge at 0°C. Calibrated line, delivered 600ml for a 500 ml sample. Accepted calibration as is. Programmed for 20L bottle, so programmed for 31 samples. Clean bottles still onsite from last attempted event. Flushed line with 2L distilled water. Pump count 788,449. Clean bottles still onsite from last attempted event. Removed lid from composite bottle. Program flow paced; pacing every 500 pulses. Run program, "Program disabled 12:48 WE 13-MAY".

❖ 5/14/2015 @ 10:48 PDT [AA,TL]

4230: 1.305', 43 cfs

6712: "Sample 10 after 381 pulses." Volume ~ 5 inches. Fridge at 0°C.

Grab samples: Bacteriological and chemistry grabs taken at check structure @ 10:51 PDT.

Field Measurements: Temperature = 19.3°C pH = 7.85
DO (%) = 88.8 Conductivity = 1374 uS Salinity = 0.8 ppt
DO (mg/L) = 8.1 Specific Conductance = 1536 uS

❖ 5/15/2015 @ 15:15 [AA]

4230: 1.215', 23 cfs

6712: "Sample 19 after 164 pulses" Bottle 2/3 full. Fridge at 0.5°C. Distilled water not on board truck so flushed line with approximately 4L melted ice.

Composite sample: Pulled at 15:15 PDT.

ME-SCR Santa Clara River (Freeman Diversion)

NPDES 2014/2015 Event #5(Wet)

❖ 5/13/2015 15:20 PDT [BS]

4210: 8.391'

6712: Fridge at 0°C. Pump counts 162,521. Water level in River is high – to the top of the diversion. Secured intake about 1 foot from the bottom of the channel. Tested calibration and 500 ml sample delivered 1100 ml, so adjusted 9 hour program pacing from every 15 minutes for 35 samples to every 30 minutes for 8 samples. Flushed line with 2L distilled water. Run program: "Program disabled 14:50 WE 13-MAY". Installed labeled composite bottle, lid off. Left grab bottles onsite.

❖ 5/15/2015 @ 09:32 PDT [KH,DW]

4210: 8.445'

6712: "Program is done". Bottle full to top. Fridge at 2°C. Flushed line with 2L distilled water. Pump count 330,840. Turned 6712 off and lifted intake line out of the water and secured it to the guard rail.

Grab samples: Bacteriological and chemistry grabs taken upstream of intake @ 09:45 PDT.

Field Measurements:

Temperature = 17.6°C	pH = 7.35	
DO (%) = 91.1	Conductivity = 1733 uS	Salinity = 1.1 ppt
DO (mg/L) = 8.76	Specific Conductance = 2086 uS	

Composite sample: Pulled at 09:35 PDT.

ME-VR2 Ventura River (Ojai Valley Sanitary District)

❖ April 2015 [WBC]

4230: Pulled for repair on 4/14/2015. Rain gauge circuit tested and good.

2105ci: Pulled for repair on 4/16/2015. Will not read rain gauge tips.

❖ 5/14/2015 @ 10:55 PDT [BS]

6712: Fridge at 0°C. Pulled 500 ml grab samples, yielded 1) 620 ml, 2) 550 ml, 3) 550 ml. Programmed 6712 for 9 hour program, for 33 samples, pacing every 16 minutes. Tested program by starting it at 10:15 PST (while onsite). Delivered volume was higher (~1000 ml) but volume was fine during subsequent testing. Flushed line with 2 L distilled water. Run program. Clean composite bottle still onsite from last attempted event, removed lid. Grab bottles left onsite.

❖ 5/15/2015 @ 08:20 PDT [BS,JM]

Notes: OSS 2.125'

6712: Bottle full. Fridge at 1°C. Pump counts 572,590. Flushed line with 2L distilled water.

Grab samples: Bacteriological and chemistry grabs taken from main channel @ 08:30 PDT.

Composite samples: Pulled at 08:20 PDT.

Field Measurements:

Temperature = 14.6°C	pH = 7.44	
DO (%) = 71.7	Conductivity = 964 uS	Salinity = 0.6 ppt
DO (mg/L) = 7.11	Specific Conductance = 1250 uS	

NPDES 2014/2015 Event #5(Wet)

NPDES ~ MAJOR OUTFALLS

MO-CAM Camarillo (Camarillo Hills Drain)

❖ 5/13/2015 @ 14:19 PDT [KH]

4230: 0.034', 10 cfs (channel flow in invert only, <0.01cfs)

6712: Fridge at 2°C. Flushed line with 2L distilled water. Program flow paced; pacing every 20 pulses. Pump count 303,596. Run program: "Program disabled 13:28 WE 13-MAY". Installed labeled composite bottle, lid off. Grab bottles left onsite.

❖ 5/15/2015 @ 10:30 PDT [KH,DW]

4230: 0.031', 10 cfs, (channel flow in invert only, <0.01cfs)

6712: "Program disabled, errors have occurred." Viewed report: Sample 1 – no more liquid. Bottle ~ 15L. Fridge at 1°C. Flushed line with 2 L distilled water. Pump counts 374,949. Turned 6712 off.

Grab samples: Not taken. Clean grab bottles still onsite.

Composite sample: Pulled 10:30 PDT.

MO-FIL Fillmore (North Fillmore Drain)

❖ 5/13/2015 @ 12:15 PDT [BS]

4230: 0.042'

6712: Fridge at 0°C. Pump counts 701,002. Flushed line with 2L distilled water.

Program ~ 9 hour time-paced program, sample every 15 minutes. Run program "Program disabled 11:21 WE 13-MAY" Installed labeled composite bottle, lid off. Grab bottles left onsite.

❖ 5/15/2015 @ 08:27 PDT [KH,DW]

4230: 0.104' (no flow at intake but ~ 1" sediment over intake, shoveled it clear)

6712: "Program disabled, errors have occurred." Viewed report: Samples 14-23 "no more liquid". Bottle ~ 10L. Fridge at 4°C. Flushed line 2L distilled water. Pump count 827,509. Turned 6712 off.

Grab samples: Not taken.

Composite sample: Pulled at 08:30 PDT.

MO-MEI Meiners Oaks (Happy Valley Drain)

Not sampled this event. Three wet events complete for 2014/15 water year.

MO-MPK Moorpark (Walnut Canyon Drain)

❖ 5/13/2015 @ 12:52 PDT [BS]

4230: 0.072', 0.2 cfs

6712: Fridge at 1°C. Pump counts 358,044. Flushed line with 2L distilled water.

Program flow paced; pacing every 2 pulses. Run program: "Program disabled 11:51 WE 13-MAY". Clean composite bottle still onsite from last attempted event, removed lid.

Grab bottles still onsite.

❖ 5/15/2015 @ 08:35 PDT [TL,AA]

4230: 0.072', 0.2 cfs

NPDES 2014/2015 Event #5(Wet)

6712: "Program disabled." Pump counts 403,770. Bottle ~ 2". Fridge at 2°C. Flushed line with 2 L distilled water. Removed low level intake strainer in preparation for channel scraping/cleanout.

Grab samples: Not taken.

Composite sample: Pulled 08:35 PDT.

MO-OJA Ojai (Fox Canyon Barranca)

Not sampled this event. Three wet events complete for 2014/15 water year.

MO-OXN Oxnard (El Rio Drain)

Notes: Sampled but sample discarded due to insufficient rainfall for qualifying event.

❖ 5/13/2015 @ 12:30 PDT [KH]

4230: 0.109', 0.2 cfs [channel dry]

6712: Fridge at 0°C. Flushed line with 2L distilled water. Pump count = 311,839.

Installed labeled composite bottle, lid off. Program flow paced; pacing every 7 pulses.

Run program: "Program disabled 11:36 WE 13-MAY". Grab bottles left onsite.

❖ 5/15/2015 @ 09:20 PDT [BS,JM]

4230: 0.113', 0.3 cfs

6712: Fridge at 4°C. "Program disabled." Bottle ~9 L. Pump counts 354,423. Flushed line 2L distilled water.

Grab samples: Not taken.

Composite sample: Pulled at 09:25 PDT.

MO-HUE Port Hueneme (Hueneme Drain)

Notes: Sampling attempted but insufficient rainfall to trigger sampler and to qualify as an event.

❖ 5/13/2015 @ 13:10 PDT [KH]

6712: Fridge at 0°C. Checked line calibration. 500 ml delivered 500 ml. Flushed line with 2L distilled water. Pump count = 433,409. Installed labeled composite bottle, lid off. Program ~ 9 hour event, 15 minute pacing. Run program: "Program disabled 12:19 WE 13-MAY". Grab bottles left onsite.

❖ 5/13/2015 @ 09:56 PDT [BS,JM]

6712: Fridge at 2°C. "Program disabled." Bottle empty. Capped composite bottle. Left bottles onsite.

MO-SPA Santa Paula (11th Street Drain)

❖ 5/13/2015 @ 11:55 PDT [BS]

4250: 0.067', 0.00 cfs (dry)

6712: Fridge at -1°C. Pump counts = 559,073. Flushed line with 2L distilled water.

Installed labeled composite bottle, lid off. Program flow paced; pacing every 3 pulses.

Run program: "Program disabled 10:56 WE 13-MAY". Grab bottles left onsite.

❖ 5/15/2015 @ 08:05 PDT [KH,DW]

4250: 0.080', 0.01 cfs (no flow in channel)

NPDES 2014/2015 Event #5(Wet)

6712: "Program done." Bottle 18L. Fridge at 3°C. Flushed line with 2L distilled water. Pump count = 719,401. Turned 6712 off. Clean grab bottles still onsite.

Grab samples: Not taken.

Composite sample: Pulled at 08:05 PDT.

MO-SIM Simi Valley (Bus Canyon Drain)

❖ 5/13/2015 @ 13:38 PDT [BS]

4230: 0.141', 2 cfs

6712: Fridge at 2°C. Pump counts = 172,244. Flushed line with 2L distilled water. Program flow paced; pacing every 10 pulses. Run program: "Program disabled 12:35 WE 13-MAY". Installed labeled composite bottle, lid off. Grab bottles and field duplicate bottles onsite.

❖ 5/15/2015 @ 09:10 PDT [AA,TL]

4230: 0.141', 2 cfs

6712: "Program done." Fridge at 4°C. Bottle full. Pump counts = 251,207. Flushed line with 2L distilled water.

Grab samples: Not taken

Composite sample: Pulled at 09:10 PDT.

MO-THO Thousand Oaks (Hill Canyon WWTP)

❖ 5/13/2015 @ 14:06 PDT [BS]

4230: 2.096', 1 cfs [OSS 2.08']

6712: Fridge at 1°C. Pump counts = 451,335. Flushed line with 2L distilled water. Program flow paced; pacing every 25 pulses. Run program: "Program disabled 13:13 WE 13-MAY". Installed labeled composite bottle, lid off. Grab bottles onsite

❖ 5/15/2015 @ 09:41 PDT [AA,TL]

4230: 2.147', 1 cfs

6712: "Program disabled." Bottle full. Fridge at 4°C. Pump counts = 583,525. Flushed line with 2L distilled water.

Grab samples: Not taken.

Composite sample: Pulled at 09:41 PDT.

MO-VEN Ventura (Moon Ditch)

❖ 5/13/2015 @ 12:05 PDT [KH]

Notes: Sampled but sample discarded due to insufficient rainfall for qualifying event.

4230: 0.041', 1 cfs (channel dry)

6712: Fridge at 4°C. Flushed line with 2L distilled water. Pump counts = 318,728. Program flow paced; pacing every 12 pulses. Run program: "Program disabled 11:13 WE 13-MAY." Installed labeled composite bottle, lid off. Grab bottles left onsite.

❖ 5/15/2015 @ 09:03 PDT [BS,JM]

4230: 0.043', 1 cfs

6712: "Program disabled". Pump counts = 402,697. Bottle 17L. Fridge at 4°C. Flushed line with 2 L distilled water.

NPDES 2014/2015 Event #5(Wet)

Grab samples: Not taken.

Composite sample: Pulled at 09:08 PDT.

Sample Tracking

❖ Bacteria samples to VCHCA (Nadia West):

5/15/2015 @ 11:10 PDT (SCR/VR2): Kelly Hahs

5/15/2015 @ 11:34 PDT (CC): Arne Anselm

❖ Grab and composite samples to Weck Laboratories, Inc. by Weck-provided courier:

5/15/2015 @ 15:25 PDT (all sites): Arne Anselm at ME-CC.

Staff

❖ Ventura County Watershed Protection District (VCWPD)

[AA] Arne Anselm

[KH] Kelly Hahs

[BS] Bram Sercu

[TL] Tommy Liddell

[WBC] Bill Carey

❖ Gold Coast Environmental Services (GCE)

[JM] Jim McCrory

[DW] Dean Wilkinson

NPDES 2014/15 Water Quality Monitoring Event #6 (Dry) Summary: June 22-23, June 30-1, July 6-7, 2015

Sampling Durations (to nearest 0.5 hours):

ME-CC = 20.0 hrs.	ME-SCR = 23.0 hrs.	ME-VR2 = 23.0 hrs.
MO-CAM = 23.0 hrs.	MO-FIL = 23.0 hrs.	MO-HUE = 23.0 hrs.
MO-MEI = DRY.	MO-MPK = DRY.	MO-OJA = 23.0 hrs.
MO-OXN = DRY.	MO-SIM = 23.0 hrs.	MO-SPA = DRY.
MO-THO = 23.0 hrs.	MO-VEN = DRY.	

Last rainfall > 0.1" occurred on May 14 (CC/SCR/CAM/ FIL/SIM) or June 9 (HUE/THO), 2015 (depending on site).

EVENT 6.1 Ventura River Watershed, June 22-23, 2015

NPDES ~ MASS EMISSION

ME-VR2 Ventura River (Ojai Valley Sanitary District)

Notes: 4230 and 2105ci and removed for repairs on 4/14/2015 and 4/16/2015 respectively. Site set for time paced sampling. Repaired units installed on 8/6/2015.

❖ 06/22/2015 @ 10:45 am PDT [KH,WBC]

4230: Out for repairs

6712: Checked calibration (pulled grab sample → 1/ 100 ml, 2/ 650 ml, 3/ 540 ml). Fridge at 4°C. Flushed line with 2 L distilled water. Installed labeled composite bottle, lid off. Program time-paced for 35 x 500ml samples, taken every 41 minutes (24 hour program). Run program. Sample 1 no volume. Stopped program. Grab sample 450 ml. The post purge cycle for flushing the line likely emptied the line too much for an accurate grab sample. Restarted program. Sample 1 volume too high (~1.5L). "Sample 2 in 00:40".

❖ 06/23/2015 @ 11:30 am PDT [KH,WBC]

4230: Out for repairs

6712: "Program done." Fridge at 3°C. Flushed line with 2L distilled water. Pump count 839,559.

Grab samples: Taken in river at 11:40 am PDT.

Field Measurements:	Temperature = 20.1°C	pH = 7.45
DO (%) = 102.1	Conductivity = 1072 uS	Salinity = 0.6 ppt
DO(mg/L) = 9.28	Specific Conductance = 1184 uS	

Composite samples: Pulled at 11:30 am PDT.

NPDES ~ MAJOR OUTFALLS

MO-MEI Meiners Oaks (Happy Valley Drain)

❖ 06/22/2015 @ 10:20 am PDT [KH,WBC]

Notes: Site has been completely dry with no evidence of flow for weeks and during most of the winter wet season.

❖ 6/23/2015 [KH,WBC]

NPDES 14/15 Event # 6 (Dry)

Notes: Site remained completely dry with no evidence of flow overnight. Samples could not be collected for the dry event.

MO-OJA Ojai (Fox Canyon Barranca)

❖ 06/22/2015 @ 9:50 am PDT [KH,WBC]

4230: 0.101', 5 cfs (no contact, channel <0.1 cfs)

6712: Fridge at 2°C. Attached calibration line, flushed with 2L distilled water. Placed sand filled silicone line dam across channel and secured in place with sand bags. Water level pooled in channel but insufficient to be in contact with bubbler flow meter. Installed one labeled composite bottle, lid off. Program time-paced for 35 x 500ml samples, taken every 41 minutes (24 hour program). Run program. Sample 1 volume good. "Sample 2 in 00:40." Grab bottles left onsite.

❖ 06/23/2015 @ 10:45 am PDT [KH,WBC]

Notes: Channel dry.

4230: 0.101', 5 cfs

6712: "Program is done. Errors have occurred." Bottle ~ 4L. Fridge @ 2°C. Samples 1-7 no errors. Sample 8 at 13:48 PST "No more liquid". Sample 9-35 "No liquid detected" 14:29 – 08:15 PST, except Sample 24 at 00:44 PST. Flushed line with 2L distilled water. Pump count 432,646. Reconnected main intake line. Turned 6712 off. Removed sand bags and dam.

Grab samples: Could not be taken due to dry conditions.

Composite samples: Taken at 10:50 am PDT.

Field Measurements: Could not be taken.

EVENT 6.2 Santa Clara River Watershed and Ventura County Coastal Watershed, June 30 – July 1, 2015

6.2-1 Santa Clara River Watershed

NPDES ~ MASS EMISSION

ME-SCR Santa Clara River (Freeman Diversion)

❖ 06/30/2015 @ 10:45 am PDT [KH,WBC]

Note: Roller gate closed and water backed up

4210: 8.051'

6712: Fridge at 1°C. Lowered swing arm in to water. Used rope to keep it above sediment. Took grab sample to check volume 1/ over 1000 ml (stopped pump manually). Turned liquid detector on. Calibrate sample 1/ 500 ml → 500 ml. Flushed line with 2L distilled water. Installed one labeled composite bottle, lid off. Program time-paced for 35 x 500ml samples, taken every 40 minutes. Run program. Sample 1 volume good. "Sample 2 in 00:37".

❖ 07/01/2015 @ 11:20 am PDT [KH,BS]

4210: 7.308'

NPDES 14/15 Event # 6 (Dry)

6712: "Program time-paced is done". Fridge at 2°C. Bottle ~ 18L. Flushed line with 2L distilled water. Pump counts 584,998. Turned 6712 off. Raised swing arm out of water.

Grab samples: Collected at @ 11:30 am PDT.

Field Measurements: Temperature = 24.9° C pH = 7.74
DO (%) = 91.6 Conductivity = 2450 uS Salinity = 1.3 ppt
DO(mg/L) = 7.54 Specific Conductance = 2456 uS

Composite samples: Pulled at 11:30 am PDT.

NPDES ~ MAJOR OUTFALLS

MO-FIL Fillmore (North Fillmore Drain)

❖ 06/30/2015 @ 07:30 am PDT [KH,WBC]

4230: 0.080' (07:46 am PDT = 0.110', manual purge)

6712: Fridge at 2°C. Flushed line with 2L distilled water. Installed labeled composite bottle, lid off. Grab bottles onsite. Built dirt dam in channel to create sufficient water depth for sample collection. Program time-paced for 35 x 500ml samples, taken every 41 minutes. Run program. Sample 1 water column broken in intake line so inaccurate sample volume (~1L). Dumped sample and restarted program after waiting for water depth in the bermed area to increase. Restarted at 07:58 PDT (4230 at 0.123'). Sample volume good.

❖ 07/01/2015 @ 08:45 am PDT [KH,WBC]

4230: 0.180'

6712: "Program: time paced is done. Errors have occurred." Fridge at 0°C. Bottle ~15L. Samples 1-29 no errors. Sample 30 at 02:46 PST – no more liquid. Samples 31-35 (3:27 – 6:11 PST) no liquid detected. Flushed line with 2 L distilled water. Pump counts 1,008,595. Turned 6712 off.

Composite samples: Taken at 08:45 am PDT.

Grab samples: Taken at 08:55 am PDT.

Field Measurements: Temperature = 20.6°C pH = 8.11
DO (%) = 95.1 Conductivity = 25.5 uS Salinity = 0.0 ppt
DO(mg/L) = 8.46 Specific Conductance = 27.0 uS

MO-OXN Oxnard (El Rio Drain)

❖ 06/30/2015 @ 09:05 am PDT [KH,WBC]

Notes: Channel dry except for a short section (~ 60') of damp concrete ~ 60' upstream of the site. Insufficient water to sample. No evidence of other recent flow. Set up site to start program at 5:00 PM PDT for an 18 hour program (30 min between samples) to try to capture runoff that may occur overnight.

4230: 0.110 (channel dry at site)

6712: Fridge at 3°C. Flushed line with 2L distilled water. Installed labeled composite bottle, lid off. Grab bottles onsite. Installed silicone dam in channel in case of overnight flow. Program time-paced for 35 x 500ml samples, taken every 30 minutes. Run program. "Start @ 16:00 (PST) TU 30-JUN, 08:29:13 TU 30-JUN).

❖ 07/01/2015 @ 09:55 am PDT [KH,WBC]

4230: 0.109' (Channel completely dry.)

NPDES 14/15 Event # 6 (Dry)

6712: Stopped program. Recapped bottle. Bottle still clean due to dry channel. Comp and grab bottles left onsite for next event. Turned off 6712.
No flow occurred at site during sample program.

MO-SPA Santa Paula (11th Street Drain)

❖ 06/30/2015 @ 08:16 am PDT [KH,WBC]

Notes: Channel dry. No evidence of flow for preceding 2 weeks (FlowLink). Did not set up for dry event as there was no discharge. Grab bottles still onsite from last attempted event.

4250: 0.080', 0.00 f/s, 0 cfs (outfall dry)

❖ 07/01/2015 @ 08:30 am PDT [KH,WBC]

Notes: Site completely dry.

MO-VEN Ventura (Moon Ditch)

❖ 06/30/2015 @ 08:41 am PDT [KH,WBC]

Notes: No evidence of recent flow at site. Did not set up for dry event as there was no discharge. There was some damp concrete that ended ~300' upstream of site due to what appeared to have been a very low flow (unsamplable) discharge.

4230: 0.041', 1 cfs (channel dry)

6712: Refrigerator at 2°C.

❖ 06/30/2015 @ 12:00 pm PDT [KH,WBC]

Notes: Revisit to confirm channel still dry. Damp concrete still ~ 300' upstream. Did not set up as discharge had stopped and would not have reached site.

❖ 07/01/2015 @ 09:40 am PDT [KH,WBC]

Notes: Channel still dry.

6.3-2 Ventura County Coastal Watershed

NPDES ~ MAJOR OUTFALLS

MO-HUE Port Hueneme (Hueneme Drain)

❖ 06/30/2015 @ 10:00 am PDT [KH,WBC]

6712: Fridge at 0°C. Flushed line with 2L distilled water. Installed labeled composite bottle, lid off. Program time-paced for 35 x 500ml samples, taken every 41 minutes. Run program. Sample 1 volume ~500ml. "Sample 2 in 00:39." Grab bottles onsite.

❖ 07/01/2015 @ 10:25 am PDT [KH,WBC]

6712: Fridge at 2° C. "Program: Time paced is done". Bottle ~17L. Flushed line 2L distilled water. Pump count 681,485.

Grab and Composite samples: Taken at 10:25 am PDT.

Field Measurements:	Temperature = 22.8° C	pH = 8.14
DO (%) = 184.6	Conductivity = 11580 uS	Salinity = 6.9 ppt
DO(mg/L) = 15.37	Specific Conductance = 12050 uS	

NPDES 14/15 Event # 6 (Dry)

EVENT 6.3 Calleguas Creek Watershed, July 6-7, 2015

NPDES ~ MASS EMISSION

ME-CC Calleguas Creek (CSUCI Bridge)

❖ 07/06/2015 @ 10:10 PDT am PDT [KH,WBC]

4230: 1.137', 11 cfs

6712: Refrigerator at 5°C, turned colder. Flushed line with 2L distilled water. Installed labeled composite bottle, lid off. Pump counts = 1,006,121. Program time-paced for 31 x 500ml samples, taken every 40 minutes. Run program. Sample 1 volume ok. "Sample 2 in 00:35". Grab bottles left onsite.

❖ 04/25/2014 @ 10:15 am PDT [KH,SG]

4230: 1.106', 8 cfs

6712: Refrigerator at 2°C. "Program is done." Bottle overfilled. Flushed line with 2L distilled water. Pump count 1,344,551.

Grab and Composite samples: Taken at 11:15 am PDT.

Field Measurements:	Temperature = 22.0°C	pH = 7.95
DO (%) = 81.7	Conductivity = 1607 uS	Salinity = 0.9 ppt
DO(mg/L) = 7.09	Specific Conductance = 1706 uS	

NPDES ~ MAJOR OUTFALLS

MO-CAM Camarillo (Camarillo Hills Drain)

❖ 07/06/2015 @ 10:50 am PDT [KH,WBC]

4230: 0.033', 10 cfs (no contact, <0.1cfs)

6712: Refrigerator at 3°C. Connected calibration line and flushed line with 2L distilled water. Lay weighted silicone line in channel to dam flow and secured with sand bags. Installed labeled composite bottle, lid off. Program time-paced for 35 x 500ml samples, taken every 40 minutes. Run program. Sample 1 volume ~ 500 ml. "Sample 2 in 00:38."

❖ 07/07/2015 @ 11:45 am PDT [KH,WBC]

4230: 0.033', 10 cfs (no contact, <0.1cfs)

6712: "Program is done. Errors have occurred." Sample 1-7 good. Samples 8-11 no more liquid (14:46 – 16:46), Samples 12-17 no liquid detected (17:26 – 20:46), Samples 18-35 good (21:26 – 08:46). Refrigerator at 4°C. Flushed line with 2 L distilled water. Pump count 472,625. Disconnected sample line, reconnected intake line, and removed dam and sand bags from channel. Turned 6712 off.

Grab and Composite samples: Taken at 11:50 am PDT.

Field Measurements:	Temperature = 23.4° C	pH = 9.85 (avg 9.86, 9.83)
DO (%) = 181.5	Conductivity = 1345 uS	Salinity = 0.7 ppt
DO(mg/L) = 15.39	Specific Conductance = 1388 uS	

MO-MPK Moorpark (Walnut Canyon Drain)

❖ 07/06/2015 @ 08:20 am PDT [KH,WBC]

4230: 0.081', 0.2 cfs (channel dry)

NPDES 14/15 Event # 6 (Dry)

6712: Fridge at 2°C. Flushed line with 2L distilled water after connecting calibration line. Pump count 409,768. Placed silicone berm in channel (dry channel). Set program to start at 6:00 pm PDT (17:00 PST on 6712) and run for 15 hours, samples every 25 minutes. "Start at 17:00 MO 6-JUL; 07:31 MO 6-JUL". Installed labeled composite bottle, lid off. Grab bottles still onsite from last event.

❖ 07/07/2015 @ 08:40 PDT [KH,WBC]

4230: 0.072', 0.2 cfs (channel dry)

6712: Channel completely dry. No flow during sampling period. "Program is done." Bottle empty. Recapped bottle and reconnected intake strainer. Bottles left onsite for next event. Removed dam and sand bags from channel. Turned 6712 off.

MO-SIM Simi Valley (Bus Canyon Drain)

❖ 07/06/2015 @ 09:00 am PDT [KH,WBC]

4230: 0.145', 2 cfs (flow in channel does not reach bubbler orifice)

6712: Refrigerator at 2°C. Connected calibration line. Flushed line with 2 L distilled water. Installed silicone berm in channel to dam flow. Installed labeled composite bottle, lid off. Program time-paced, 40 mins, 35 samples, 500ml samples. Run program. Sample 1 ~ 500 ml. "Sample 2 in 00:38".

❖ 07/07/2015 @ 09:10 am PDT [KH,WBC]

4230: 0.148', 2 cfs (flow in channel does not reach bubbler orifice)

6712: "Program is done." Composite bottle ~18.5L. Flushed line 2 L distilled water. Pump count 334,055. Removed calibration line and reconnected intake line. Removed dam from channel. Turned 6712 off.

Grab and Composite samples: Taken at 09:20 am PDT.

Field Measurements:

Temperature = 20.8°C	pH = 8.15	
DO (%) = 133.2	Conductivity = 2533 uS	Salinity = 1.4 ppt
DO(mg/L) = 11.82	Specific Conductance = 2750 uS	

MO-THO Thousand Oaks (Hill Canyon WWTP)

❖ 07/06/2015 @ 09:45 am PDT [KH,WBC]

4230: 2.039', 0 cfs

6712: Refrigerator at 2°C. Flushed line 2 L distilled water. Installed labeled composite bottle, lid off. Program time-paced, 35 samples, 40 min/sample, 500 ml. Run program. Sample 1 volume ~ 500 ml. "Sample 2 in 00:38".

❖ 07/07/2015 @ 10:10 am PDT [KH, WBC]

4230: 1.994, 0 cfs

6712: "Program is done." Bottle overfilled. Flushed line 2 L distilled water. Pump count 752,833. Turned 6712 off.

Grab and Composite samples: Taken at 10:20 am PDT.

Field Duplicate Grab samples: Taken at 10:20 am PDT.

Field Measurements:

Temperature = 20.8°C	pH = 8.25	
DO (%) = 60.9	Conductivity = 1665 uS	Salinity = 0.9 ppt
DO(mg/L) = 5.01	Specific Conductance = 1808 uS	

NPDES 14/15 Event # 6 (Dry)

Sample Tracking

Dry Sites (unsamplable)

❖ MO-MEI (6/22/2015); MO-OXN, MO-SPA, MO-VEN (7/1/2015); MO-MPK (7/7/2015)

Event 6.1 (ME-VR2, MO-OJA (limited composite volume))

❖ Bacteria samples to VCHCA (Salvador Barragan): 6/23/2015 @ 12:33 PDT by KH

❖ Grab and composite samples to Weck Laboratories, Inc. courier (Allan Goldberg):
6/23/2015 @ 14:50 PDT by KH

Event 6.2 (ME-SCR, MO-FIL, MO-SPA, MO-VEN, MO-HUE)

❖ Bacteria samples to VCHCA (Lauren Stead): 7/1/2015 @ 12:55 PDT by KH

❖ Grab and composite samples to Weck Laboratories, Inc. courier (Allan Goldberg):
7/1/2015 @ 14:00 PDT by KH

Event 6.3 (ME-CC, MO-CAM, MO-SIM, MO-THO)

❖ Bacteria samples to VCHCA (Salvador Barragan): 7/7/2015 @ 12:34 PDT by KH

❖ Grab and composite samples to Weck Laboratories, Inc. provided courier (Josne Velasquez): 7/1/2015 @13:40 PDT by KH

Staff

❖ Ventura County Watershed Protection District (VCWPD)

[KH] Kelly Hahs

[WBC] Bill Carey

Appendix E. Chain-of Custody Forms



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Pre-season - Weck Laboratories

4H20089

Sampling Date: 8/20/2014 Project Number: 2014/15-PRE
 Sampling Team: K. Hahs, W.B. Carey

SAMPLE ID	DATE/TIME COLLECTED	EPA 525.2	EPA 625-CTR	NO3+NO2 (353.2)	EPA 200.8* (total only, see list in side bar) EPA 245.1. Hg (total only)	No action required	Clean with detergent and HNO3**	Please dispose of per Lab SOP	Quantity	NOTES
EB lines	8/20/2014 / 09:20	4	4	1	1				10	(no-ven)
EB composite	8/20/2014 / 10:00	X	X	X	X				1	To be split in lab
18.5 L carboy and lid							X		1	Please place tape or plastic bag over top
Blue cube cooler						X			1	
Black bag						X			1	
Waste Dilute HNO3	8/20/2014							X	1	~ 3L (1 quart 1% HNO3 + 2L distilled water used for cleaning our equipment)

* Metals by200.8, Total:
 Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb,
 Se, Tl, Zn

**SAMPLE
 PICK-UP**

Relinquished Printed Name Kelly Hahs
 Signature [Signature]
 Affiliation VCWPD Date/Time 8/20/2014 / 1535

Received Printed Name Allan Goldberg
 Signature [Signature]
 Affiliation Weck Labs Date/Time 8/20/2014 / 1535

Other Notes: Please use for MS/MSD analysis when sample volume permits.

** Please clean with detergent, nitric acid, and deionized water per SOP.

RELINQX [Signature] ALLAN G 8/20/14 1810
 Attachment D Appendix E
 8/20/14 1810 2.6c
 Page DE-1
 J. [Signature] J. [Signature]



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Pre-season - Weck Laboratories

4J4104

Sampling Date: 10/14/2014 Project Number: 2014/15-PRE2
 Sampling Team: K. Hahs, W.B. Carey

SAMPLE ID	DATE/TIME COLLECTED	EPA 525.2	EPA 625-CTR	Total Copper by EPA 200.8											
EB composite	10/14/2014	X	X	X											See note (1) below for instructions

SAMPLE
 PICK-UP

Relinquished Printed Name Kelly Hahs
 Signature [Signature]
 Affiliation VCWPDC Date/Time 10/14/2014 / 15:00

Received Printed Name Allan Goldberg
 Signature [Signature]
 Affiliation Weck Labs Date/Time 10/14/2014 / 15:00

Notes: Note (1) Please use for MS/MSD analysis when sample volume permits.
Note (2): Instructions - Perform a blank analysis on one bottle by adding a sufficient quantity (to perform requested analyses) of ultrapure water directly to composite bottle (do not use intermediary container), cap bottle, swirl water around to maximize contact with interior bottle surfaces, then split sample to perform requested analyses.

RELINQ X all Allan 10/14/14 1735
 Jamez 10/14/14 1735



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 11/1/14 Project Number: 2014/15-1 (Wet)

Sampling Team: BS, KP

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC	11/1/14 01:20	X	X	X	X	X	X	3	3 DNA Filters
	ME-SCR		X	X	X	X	X	X	3	3 DNA Filters
	ME-VR2		X	X	X	X	X	X	2	3 DNA Filters
	MO-CAM	11/1/14 00:25	X	X		X	X	X	2	2 DNA Filters
	MO-OJA		X	X		X	X	X	2	2 DNA Filters
	MO-MEI		X	X		X	X	X	2	2 DNA Filters
	MO-VEN		X	X		X	X	X	2	2 DNA Filters

Relinquished Printed Name BRAM SOBOL
 Signature [Signature]
 Affiliation VCH PD Date/Time 11/1/14 3:15

Received Printed Name Nadia Ward
 Signature [Signature]
 Affiliation PH Lab Date/Time 11/01/14 @ 3:25

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 2 of 2)

Sampling Date: 11/1/14 Project Number: 2014/15-1 (Wet)

Sampling Team: BS, KP

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	MO-SPA		X	X		X	X	X	2	2 DNA Filters
	MO-FIL		X	X		X	X	X	2	2 DNA Filters
	MO-SIM		X	X		X	X	X	2	2 DNA Filters
	MO-MPK		X	X		X	X	X	2	2 DNA Filters
	MO-THO		X	X		X	X	X	2	2 DNA Filters
	MO-OXN	<u>10/31/14 23:25</u>	X	X		X	X	X	2	2 DNA Filters
	MO-HUE		X	X		X	X	X	2	2 DNA Filters

Relinquished Printed Name BRAM SBRU
 Signature [Signature]
 Affiliation VE - PD Date/Time 11/1/14 3:15

Received Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 11/1/14 Project Number: 2014/15-1 (Wet)
 Sampling Team: K. HAHS S. GREER

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-GG		X	X	X	X	X	X	3	3 DNA Filters
	ME-SCR		X	X	X	X	X	X	3	3 DNA Filters
	ME-VR2	11/1/14 00:00	X	X	X	X	X	X	2	3 DNA Filters
	MO- GG HUE	11/1/14 03:15	X	X		X	X	X	2	2 DNA Filters
	MO-OJA	11/1/14 01:40	X	X		X	X	X	2	2 DNA Filters
	MO-MEI 11/1/14	10/31/14 03:55	X	X		X	X	X	2	2 DNA Filters
	MO-VEN	10/31/14 22:45	X	X		X	X	X	2	2 DNA Filters

Relinquished Printed Name KELLY HAHS

Signature *Kelly HaHS*

Affiliation VCHCA Date/Time 11/1/14 / @ 0908

Received Printed Name Nadia West

Signature *Nadia West*

Affiliation PH Lab Date/Time 11/1/14

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 2 of 2)

Sampling Date: _____ Project Number: 2014/15-1 (Wet)

Sampling Team: _____

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	MO-SPA		X	X		X	X	X	2	2 DNA Filters
	MO-FIL	10-31-14 23:15	X	X		X	X	X	2	2 DNA Filters
	MO-SIM	11-1-14 01:20	X	X		X	X	X	2	2 DNA Filters
	MO-MPK	11-1-14 00:20	X	X		X	X	X	2	2 DNA Filters
	MO-THO	11-1-14 02:13	X	X		X	X	X	2	2 DNA Filters
	MO-OXN		X	X		X	X	X	2	2 DNA Filters
	MO-HUE		X	X		X	X	X	2	2 DNA Filters

Relinquished Printed Name ARNE ANSELM
 Signature [Signature]
 Affiliation VCWPD Date/Time 11-1-14 3:15

Received Printed Name Nadia West
 Signature [Signature]
 Affiliation PH Lab Date/Time 11/1/14 @ 3:40

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 11-1-14

Project Number: 2014/15-1 (Wet)

Sampling Team: AEA & JM

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
			X	X	X	X	X	X		
	ME-CC		X	X	X	X	X	X	3	3 DNA Filters
	ME-SCR		X	X	X	X	X	X	3	3 DNA Filters
	ME-VR2		X	X	X	X	X	X	2	3 DNA Filters
	MO-CAM		X	X		X	X	X	2	2 DNA Filters
	MO-OJA		X	X		X	X	X	2	2 DNA Filters
	MO-MEI		X	X		X	X	X	2	2 DNA Filters
	MO-VEN		X	X		X	X	X	2	2 DNA Filters

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Received Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Grabs - Weck Laboratories (SIDE 1 of 2)

Sampling Date: 10/31/14 + 11/1/14 Project Number: 2014/15-1 (Wet) Grabs

Sampling Team: KH, SG, BS, KP, AA, JM

SAMPLE ID	DATE/TIME COLLECTED	Analytes						Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits			
ME-CC	11/1/14 01:20	3	1	2	3	1	10	BS, KP	
ME-SCR		2	1	2	3	1	9	No flow	
ME-VR2	11/1/14 00:00	2	1	2	3	1	9	KH, SG	
MO-CAM	11/1/14 00:25	2	1	2	3	1	9	BS, KP	
MO-OJA	11/1/14 01:40	2	1	2	3	1	9	KH, SG	
MO-MEI	11/1/14 00:55	2	1	2	3	1	9	KH, SG	
MO-VEN	10/31/14 22:45 22:45	2	1	2	3	1	9	KH, SG	
MO-OXN	10/31/14 23:25	2	1	2	3	1	9	BS, KP	
FD-1	11/1/14 02:13	2	1	2	3	1	9	AA, JM	

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Received Printed Name SEE SIDE 2
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: Please run EPA 624 on travel blanks only if constituents detected in original analysis
EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Grabs - Weck Laboratories (SIDE 2 of 2)

Sampling Date: 10/31/14 + 11/1/14 Project Number: 2014/15-1 (Wet) Grabs
 Sampling Team: KH, SG, BS, KP, AA, JM

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if bits	EPA 515.3	Number of Bottles	NOTES
									Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
MO-SPA		2	1	2	3	1		9	Concentrational problem at site. Unsafe to sample
MO-FIL	10/31/14 23:15	2	1	2	3	1		9	AA, JM
MO-SIM	11/1/14 01:20	2	1	2	3	1		9	AA, JM
MO-HUE	11/1/14 03:15	2	1	2	3	1		9	KH, SG
MO-THO	11/1/14 02:13	2	1	2	3	1		9	AA, JM
MO-MPK	11/1/14 00:20	2	1	2	3	1		9	AA, JM
* MO-MPK Upstream at RR	11/1/14 03:15							2	AA, JM Please analyze crossed out in error
* Edison RC Pipe at MPK - Lower	11/1/14 00:20							2	AA, JM Please analyze
Edison RC Pipe at MPK - Upper								2	

Relinquished Printed Name KELLY HAMS
 Signature [Signature]
 Affiliation VWSPD Date/Time 11/1/14

Received Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: Please run EPA 624 on travel blanks only if constituents detected in original analysis
EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve
* Samples provided. Cross out is an error



Chain of Custody Record

Ventura County Watershed Protection District NPDES Stormwater Monitoring Program Project: NPDES Stormwater Wet Season Composites - Week Laboratories (SIDE 1 of 2)

Sampling Date: 11/1/14 Project Number: 2014/15-1 (Wet) Composites

Sampling Team: KH, SG, BS, AA, JM, DW, WBC

SAMPLE ID	DATE/TIME COLLECTED	Barium, total	Chlorine Residual	NO3-N	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC	11/1/14 11:27	X	X	X	X	X	X	X	X	X	X	X	X	X	1	WBC
ME-SCR	↓	X	X	X	X	X	X	X	X	X	X	X	X	X	1	(inactivation)
ME-VR2	11/1/14 11:10	X	X		X	X	X	X	X	X	X	X	X	X	1	KH, SG
MO-CAM	00:45		X		X	X	X	X	X	X	X	X	X	X	1	BS, KP
MO-OJA	01:40	X	X		X	X	X	X	X	X	X	X	X	X	1	KH, SG
MO-MEI	00:55	X	X		X	X	X	X	X	X	X	X	X	X	1	KH, SG
MO-VEN	↓ 11:00		X		X	X	X	X	X	X	X	X	X	X	1	WBC

Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg

Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.)

608 include alpha- & gamma-chlordane

* Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS

Lab to select samples for MS/MSD where extra volume permits (all test methods)

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Received Printed Name SEE SIDE 2
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Composites - Week Laboratories (SIDE 2 of 2)

Sampling Date: 11/1/14 Project Number: 2014/15-1 (Wet) Composites
 Sampling Team: KH, SG, BS, AA, WBC, DW, JM

SAMPLE ID	DATE/TIME COLLECTED	pH	Barium, total	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
MO-SPA	11/1/14 10:51		X	X	X	X	X	X	X	X	X	X	X	1	JM, DW
MO-FIL	11:21		X	X	X	X	X	X	X	X	X	X	X	1	JM, DW
MO-SIM	01:20		X	X	X	X	X	X	X	X	X	X	X	1	AA, JM
MO-MPK	00:20		X	X	X	X	X	X	X	X	X	X	X	1	AA, JM
MO-THO	02:13		X	X	X	X	X	X	X	X	X	X	X	1	AA, JM
MO-OXN	11:37		X	X	X	X	X	X	X	X	X	X	X	1	BS, AA
MO-HUE	11:55	X	X	X	X	X	X	X	X	X	X	X	X	1	KH, SG

Relinquished Printed Name KELLY HAYS
 Signature [Signature]
 Affiliation WCPD Date/Time 11/1/14

Received Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important). Thomas PDT



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories Side 1 of 2

Sampling Date: SEE SIDE 2 Project Number: 2014/15-1 (Wet)
 Sampling Team: SEE SIDE 2

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-CC	11/1/14 01:20	X							2	Note 1, Note 2, Note 3 BS, Ken
ME-SCR					X				1	Note 1, Note 2, Note 3 No fish
ME-VR2	11/1/14 00:00	X							2	Note 1, Note 2, Note 3 KH, SG
MO-CAM	11/1/14 00:25					X			2	Note 1, Note 2, Note 3 BS Ken
MO-OJA	11/1/14 01:40					X			2	Note 1, Note 2, Note 3 KH, SG
MO-MEI	11/1/14 00:55					X			2	Note 1, Note 2, Note 3 KH, SG
MO-VEN	10/31/14 22:45						X		2	Note 1, Note 2, Note 3 KH, SG

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Received Printed Name SEE SIDE 2
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
 Note 3: Notify District within 24 hours if significant toxicity is observed.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season

Toxicity - ABC Laboratories *Side 2 of 2*

Sampling Date: 11-1-14 Project Number: 2014/15-1 (Wet)
 Sampling Team: AEA, JM, BS, Kevin, KH, SG

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
MO-OXN	10/31/14 23:25 0420					X			2	Note 1, Note 2, Note 3 BS, Kevin
MO-HUE	11/1/14 0315						X		3	Note 1, Note 2, Note 3, Note 4 KH, SG
MO-THO	11-1-14 12:02						X		2	Note 1, Note 2, Note 3 AEA, JM
MO-MPK	11-1-14 00:06							X	2	Note 1, Note 2, Note 3 AEA, JM
MO-SIM	11-1-14 01:11						X		2	Note 1, Note 2, Note 3 AEA, JM
MO-FIL	10-31-14 11:01						X		2	Note 1, Note 2, Note 3 AEA, JM
MO-SPA						X			2	Note 1, Note 2, Note 3 BS, Kevin

Relinquished Printed Name KELLY HATHS
 Signature [Signature]
 Affiliation VCEWPD Date/Time 11/1/14

Received Printed Name Michael MacKuzak
 Signature [Signature]
 Affiliation ARCL Date/Time 11/1/14 0511

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
Note 3: Notify District within 24 hours if significant toxicity is observed.
Note 4: If salinity > 2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use *Hyaella*



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 12/2/14 Project Number: 2014/15-2 (Wet)
 Sampling Team: K. HAHS, D. WILKINSON

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
ME-CG			X	X	X	X	X	X	3	3 DNA Filters
ME-SCR			X	X	X	X	X	X	3	3 DNA Filters
ME-VR2		12/2/14 12:05	X	X	X	X	X	X	12	3 DNA Filters
MO-CAM			X	X		X	X	X	2	2 DNA Filters
MO-OJA		12/2/14 10:30	X	X		X	X	X	2	2 DNA Filters
MO-MEI		12/2/14 11:15	X	X		X	X	X	2	2 DNA Filters
MO-VEN			X	X		X	X	X	2	2 DNA Filters
FD-1			X	X		X	X	X	1	

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCHCA Date/Time 12/2/14

Received Printed Name SALVADOR Y. BARRAGAN
 Signature [Signature]
 Affiliation VCH-LAB Date/Time 12/2/14 12:57

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 12-3-14 Project Number: 2014/15-2 (Wet)
 Sampling Team: AA JM

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC		X	X	X	X	X	X	3	3 DNA Filters
	ME-SCR		X	X	X	X	X	X	3	3 DNA Filters
	ME-VR2		X	X	X	X	X	X	2	3 DNA Filters
	MO-CAM		X	X		X	X	X	2	2 DNA Filters
	MO-OJA		X	X		X	X	X	2	2 DNA Filters
	MO-MEI		X	X		X	X	X	2	2 DNA Filters
	MO-VEN	12-3-14 11:00	X	X		X	X	X	2	2 DNA Filters
	FD-1	12-3-14 10:10	X	X		X	X	X	1	
	AA-OJA	12-3-14 10:10								

Relinquished Printed Name ARNE ANSELM
 Signature [Signature]
 Affiliation VCWTD Date/Time 12-2-14 11:35

Received Printed Name SALVADOR V. BARRAGAN
 Signature [Signature]
 Affiliation PCH-LAB Date/Time 12/2/14 11:36

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 2 of 2)

Sampling Date: 12-3-14 Project Number: 2014/15-2 (Wet)
 Sampling Team: AA JM

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	MO-SPA		X	X		X	X	X	2	2 DNA Filters
	MO-FIL		X	X		X	X	X	2	2 DNA Filters
	MO-SIM		X	X		X	X	X	2	2 DNA Filters
	MO-MPK		X	X		X	X	X	2	2 DNA Filters
	MO-THO		X	X		X	X	X	2	2 DNA Filters
	MO-OXN	12-3-14 10:10	X	X		X	X	X	2	2 DNA Filters
	MO-HUE		X	X		X	X	X	2	2 DNA Filters

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Received Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Equipment - Weck Laboratories

Sampling Date: 12/3/14

Project Number: 2014/15-2 (Wet) Cleaning

Sampling Team: AA, DW, BS, JM, WBC

EQUIPMENT	Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*	No action required		NOTES
18.5 L wide neck carboy and lid				6	Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler				8	
Black bags				8	
20 L narrow neck carboy, 2 lids, attachment assembly				2	Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VWAPD Date/Time 12/3/14 - 1320

Received Printed Name Adrian Lopez
 Signature [Signature]
 Affiliation Weck Lab Date/Time 12-3/14 - 1320

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.

420303



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Grabs - Weck Laboratories (SIDE 1 of 2)

Sampling Date: 12/2/14 Project Number: 2014/15-2 (Wet) Grabs

Sampling Team: AA, JM, BS, SG, KH, DW

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits							Number of Bottles	NOTES
ME-CC		3	1	2	3	1							10	
ME-SCR		2	1	2	3	1							9	
ME-VR2	12/2/14 12:05	2	1	2	3	1							9	KH, DW
MO-CAM		2	1	2	3	1							9	
MO-OJA	12/2/14 10:30	2	1	2	3	1							9	KH, DW
MO-MEI	12/2/14 11:15	2	1	2	3	1							9	KH, DW
MO-VEN	12-2-14 11:00	2	1	2	3	1							9	AA, JM
MO-OXN	12-2-14 10:10	2	1	2	3	1							9	AA, JM
FD-1	12-2-14 10:10	2	1	2	3	1							9	AA, JM

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 12-3-14 / 1320

Received Printed Name Alan Lopez
 Signature Alan Lopez
 Affiliation Weck Lab Date/Time 12/3/14 - 1320

Other Notes: Please run EPA 624 on travel blanks only if constituents detected in original analysis
 EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Grabs - Weck Laboratories (SIDE 2 of 2)

Sampling Date: 12/2/14 Project Number: 2014/15-2 (Wet) Grabs
 Sampling Team: AA, JM, BS, SG, KH, DW

SAMPLE ID	DATE/TIME COLLECTED	Analytes							Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits	EPA 515.3			
MO-SPA	12/2/14 1010	2	1	2	3	1		9	BS, SG	
MO-FIL	" 1055	2	1	2	3	1		9	BS, SG	
MO-SIM		2	1	2	3	1		9		
MO-HUE		2	1	2	3	1		9		
MO-THO		2	1	2	3	1		9		
MO-MPK		2	1	2	3	1		9		
MO-MPK Upstream at RR							2	2		
Edison RC Pipe at MPK - Lower							2	2		
Edison RC Pipe at MPK - Upper							2	2		

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 12-3-14 / 1320

Received Printed Name Adon Lopez
 Signature Adon Lopez
 Affiliation Weck Lab Date/Time 12-3-14 / 1320

Other Notes: Please run EPA 624 on travel blanks only if constituents detected in original analysis
EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve

[Signature] 1525 3.1



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Composites - Weck Laboratories (SIDE 1 of 2)

4403071

Sampling Date: 12/3/14

Project Number: 2014/15-2 (Wet) Composites

Sampling Team: AA, DW; BS, JM; WBC

SAMPLE ID	DATE/TIME COLLECTED	Barium, total	Chlorine Residual	NO3-N	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC		X	X	X	X	X	X	X	X	X	X	X	X	X	1	
ME-SCR		X			X	X	X	X	X	X	X	X	X	X	1	
ME-VR2	12-3-14/1054	X			X	X	X	X	X	X	X	X	X	X	1	AA, DW
MO-CAM		X			X	X	X	X	X	X	X	X	X	X	1	
MO-OJA	12-3-14/0957	X			X	X	X	X	X	X	X	X	X	X	1	AA, DW
MO-MEI	12-3-14/1023	X			X	X	X	X	X	X	X	X	X	X	1	AA, DW
MO-VEN	12-3-14/0926	X			X	X	X	X	X	X	X	X	X	X	1	WBC

Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg

Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.)

608 include alpha- & gamma-chlordane

* Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS

Lab to select samples for MS/MSD where extra volume permits (all test methods)

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 12-3-14/1320

Received Printed Name Adun Lugo
 Signature Adun Lugo
 Affiliation weck Lab Date/Time 12-3-14/1320

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).

Journal Entry 12/3/14 1525



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Composites - Weck Laboratories (SIDE 2 of 2)

403071

Sampling Date: 12/3/14

Project Number: 2014/15-2 (Wet) Composites

Sampling Team: AA, DW; BS, JM; WBC

SAMPLE ID	DATE/TIME COLLECTED	Barium, total	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
MO-SPA	12-3-14 / 1018	X	X	X	X	X	X	X	X	X	X	X	1	BS, JM
MO-FIL	12-3-14 / 0955	X	X	X	X	X	X	X	X	X	X	X	1	BS, JM
MO-SIM		X	X	X	X	X	X	X	X	X	X	X	1	
MO-MPK		X	X	X	X	X	X	X	X	X	X	X	1	
MO-THO		X	X	X	X	X	X	X	X	X	X	X	1	
MO-oxn	12-3-14 / 0951	X	X	X	X	X	X	X	X	X	X	X	1	WBC
MO-HUE		X	X	X	X	X	X	X	X	X	X	X	1	

Metals by 200.8, Total & Dissolved:
 Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg

Metals by 200.7, Total (only):
 Ca, Mg (for Hardness calc.)

608 include alpha- & gamma-chlordane

* Same extraction with low-level spike for 3 methods:
 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS

Lab to select samples for MS/MSD where extra volume permits (all test methods)

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 12-3-14 / 1320

Received Printed Name Adrian Lopez
 Signature [Signature]
 Affiliation Weck Labs Date/Time 12-3-14 / 1320

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).

Sampled on 12/3/14 1525



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Composites - Weck Laboratories (SIDE 2 of 2)

4103071

Sampling Date: 12/3/14

Project Number: 2014/15-2 (Wet) Composites

Sampling Team: AA, DW, BS, JM, WBC

SAMPLE ID	DATE/TIME COLLECTED	Barium, total	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
MO-SPA	12-3-14/1018	X	X	X	X	X	X	X	X	X	X	X	1	BS, JM
MO-FIL *	12-3-14/0955	X	X	X	X	X	X	X	X	X	X	X	1	BS, JM
MO-SIM		X	X	X	X	X	X	X	X	X	X	X	1	
MO-MPK		X	X	X	X	X	X	X	X	X	X	X	1	
MO-THO		X	X	X	X	X	X	X	X	X	X	X	1	
4L * MO-OXN	12-3-14/0951	X	X	X	X	X	X	X	X	X	X	X	1	WBC
MO-HUE		X	X	X	X	X	X	X	X	X	X	X	1	

Metals by 200.8, Total & Dissolved:
 Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg

Metals by 200.7, Total (only):
 Ca, Mg (for Hardness calc.)

608 include alpha- & gamma-chlordane

* Same extraction with low-level spike for 3 methods:
 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS

Lab to select samples for MS/MSD where extra volume permits (all test methods)

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPS Date/Time 12-3-14/1320

Received Printed Name Adrian Lopez
 Signature [Signature]
 Affiliation Weck Labs Date/Time 12-3-14/1320

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).

Samuelson 12/3/14 1525
4.8-c

Priority	Method	Description	Fraction	Min. vol. (ml)	Cumulative vol. (ml)
1	EPA 200.8	Metals	Total	150	150
2	SM 5540 C	MBAS	n/a	100	250
3	EPA 515.3	Chlorinated acids	n/a	50	300
4	EPA 525.2	Organics	n/a	1000	1300
5	EPA 314.0	Perchlorate	n/a	10	1310
6	EPA 300.0	Chloride/Fluoride	n/a	10	1320
7	SM 2540 C	Total Dissolved Solids	n/a	150	1470
8	EPA 350.1	Ammonia as N	n/a	50	1520
9	EPA 351.2	TKN	n/a	50	1570
10	EPA 353.2	Nitrate + Nitrite as N	n/a	50	1620
11	EPA 365.1	Phosphorus as P	Total	50	1670
12	EPA 365.1	Phosphorus as P	Dissolved	75	1745
13	EPA 200.8	Metals	Dissolved	150	1895
14	EPA 200.7	Hardness as CaCO3	Total	150	2045
15	EPA 245.1	Mercury	Total	50	2095
16	EPA 245.1	Mercury	Dissolved	50	2145
17	EPA 218.6	Chromium VI	n/a	10	2155
18	SM 2540 D	Total Suspended Solids	n/a	1000	3155
19	EPA 525.2m	Organics	n/a	1000	4155
20	EPA 8015B	TPH, GRO, DRO	n/a	1000	5155
21	EPA 547	Glyphosate	n/a	40	5195
22	EPA 410.4	COD	n/a	50	5245
23	EPA 160.4	VSS	n/a	50	5295
24	SM 5310 C	TOC	n/a	250	5545
25	SM 5210 B	BOD	n/a	500	6045
26	EPA 180.1	Turbidity	n/a	25	6070
27	EPA 420.4	Phenolics	n/a	100	6170
28	SM 2320 B	Alkalinity as CaCO3	n/a	50	6220
29	SM 2510 B	Specific Conductance	n/a	50	6270
30	SM 4500-Cl G	Total Chlorine Residual	n/a	50	6320
31	EPA 608	OC Pesticides/PCBs	n/a	1000	7320
32	EPA 625	Base/neutral and Acids	n/a	1000	8320
33	EPA 8270Cm	Semi-volatile organics	n/a	1000	9320



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Sampling Date: 12/2/14 Project Number: 2014/15-2 (Wet)
 Sampling Team: BS, SG

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-SCR					X				1	Note 1, Note 2, Note 3
MO-SPA	12/2/14 1010					X			2	Note 1, Note 2, Note 3

Relinquished Printed Name ADAM STPC
 Signature [Signature]
 Affiliation UCW-10 Date/Time 12/2/14 1325

Received Printed Name Lorena Marquez
 Signature [Signature]
 Affiliation ABC Date/Time 12/2/14 1325

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
Note 3: Notify District within 24 hours if significant toxicity is observed.

12/12/14 @



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2) |

Sampling Date: 12/12/14

Sampling Team: K.H., KP

Project Number: 2014/15-3 (Wet)

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC		X	X	X	X	X	X	3	3 DNA Filters
	ME-SCR		X	X	X	X	X	X	3	3 DNA Filters
	ME-VR2	12/12/14 01:35	X	X	X	X	X	X	2	3 DNA Filters
	MO-CAM		X	X	X	X	X	X	2	2 DNA Filters
	MO-OJA	12/12/14 00:10	X	X	X	X	X	X	2	2 DNA Filters
	MO-MEI	12/12/14 00:40	X	X	X	X	X	X	2	2 DNA Filters
	MO-VEN		X	X	X	X	X	X	2	2 DNA Filters
	FD-1		X	X	X	X	X	X	1	

Relinquished Printed Name KELLY HAHNS

Signature [Signature]

Affiliation VCHCA

Date/Time 12/12/14 0300

Received Printed Name [Signature]

Signature [Signature]

Affiliation PH Lab

Date/Time 12/12/14 0300

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 12/12/14 Project Number: 2014/15-3 (Wet)
 Sampling Team: AA, WW

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC		X	X	X	X	X	X	3	3 DNA Filters
	ME-SCR	12/12/14 0240	X	X	X	X	X	X	3	3 DNA Filters
	ME-VR2		X	X	X	X	X	X	2	3 DNA Filters
	MO-CAM		X	X	X	X	X	X	2	2 DNA Filters
	MO-OJA		X	X	X	X	X	X	2	2 DNA Filters
	MO-MEI		X	X	X	X	X	X	2	2 DNA Filters
	MO-VEN	12/12/14 0130	X	X	X	X	X	X	2	2 DNA Filters
	ED-1		X	X	X	X	X	X	1	
	ND-FIL	12/12/14 0035	X	X	X	X	X	X	2	2 DNA FILTERS

Relinquished Printed Name: Wendy Williams / PHL Lab, VCHCA
 Signature: [Signature]
 Affiliation: PH Lab Date/Time: 12/12/14 / 03:56

Received Printed Name: [Signature]
 Signature: [Signature]
 Affiliation: PH Lab Date/Time: 12/12/14 / 03:56

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
 Ventura County Watershed Protection District
 NPDES Stormwater Monitoring Program
 Project: NPDES Stormwater Wet Season
 Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 12/17/14 Project Number: 2014/15-3 (Wet)
 Sampling Team: BS, DW

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	Fecal Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bordes	NOTES
ME-CC	12/17/14 0325		X	X	X	X	3	3 DNA Filters
ME-SCR			X	X	X	X	3	3 DNA Filters
ME-VR2			X	X	X	X	2	2 DNA Filters
MO-CAM	12/17/14 0235		X	X	X	X	2	2 DNA Filters
MO-OJA			X	X	X	X	2	2 DNA Filters
MO-MEI			X	X	X	X	2	2 DNA Filters
MO-YEN			X	X	X	X	2	2 DNA Filters
FD-1			X	X	X	X	1	

Relinquished: BS, DW Printed Name: BS, DW
 Signature: [Signature]
 Affiliation: VCHCA Date/Time: 12/17/14 03:55

Received: _____ Printed Name: _____
 Signature: _____ Date/Time: _____
 Affiliation: _____

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
 1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 2 of 2)

Sampling Date: 12/12/14 Project Number: 2014/15-3 (Wet)
 Sampling Team: BS, Du

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	MO-SPA		X	X		X	X	X	2	2 DNA Filters
	MO-FIL		X	X		X	X	X	2	2 DNA Filters
	MO-SIM		X	X		X	X	X	2	2 DNA Filters
	MO-MPK		X	X		X	X	X	2	2 DNA Filters
	MO-THO		X	X		X	X	X	2	2 DNA Filters
	MO-OXN	12/12/14 0020	X	X		X	X	X	2	2 DNA Filters
	MO-HUE	" 0140	X	X		X	X	X	2	2 DNA Filters
	FB	12/12/14 0355						X	1	1 DNA FILTER

Relinquished Printed Name BRAM SOTCU
 Signature [Signature]
 Affiliation VCHCA Date/Time 12/12/14 0355

Received Printed Name Nadia West
 Signature [Signature]
 Affiliation PH Lab Date/Time 12/12/14 0355

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 2 of 2)

Sampling Date: 12/12/14 Project Number: 2014/15-3 (Wet)
 Sampling Team: S.G., J.M.

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	MO-SPA		X	X		X	X	X	2	2 DNA Filters
	MO-FIL		X	X		X	X	X	2	2 DNA Filters
	MO-SIM	12/12/14 0900	X	X		X	X	X	2	2 DNA Filters
	MO-MPK	12/12/14 02:00	X	X		X	X	X	2	2 DNA Filters
	MO-THO	12/12/14 0750	X	X		X	X	X	2	2 DNA Filters
	MO-OXN		X	X		X	X	X	2	2 DNA Filters
	MO-HUE		X	X		X	X	X	2	2 DNA Filters

Relinquished Printed Name Steven Scott
 Signature [Signature]
 Affiliation VCCWPD Date/Time 12/12/14 9:30 AM

Received Printed Name Kendra West
 Signature [Signature]
 Affiliation PH Lab Date/Time 12/12/14 4:30 PM

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Grabs - Weck Laboratories (SIDE 2 of 2)

Sampling Date: 12/11/14 + 12/12/14 Project Number: 2014/15-3 (Wet) Grabs

Sampling Team: KH, KP; AA, WW; BS, DW; SG, JM

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits	EPA 515.3	Number of Bottles	NOTES
MO-SPA	12/11/14 2355	2	1	2	3	1		9	AA, WW
MO-FIL	12/12/14 0035	2	1	2	3	1		9	AA, WW
MO-SIM	12/12/14 0300	2	1	2	3	1		9	SG, JM
MO-HUE	12/12/14 0140	2	1	2	3	1		9	BS, DW
MO-THO	12/12/14 0350 0250	2	1	2	3	1		9	SG, JM
MO-MPK	12/12/14 0210 0210	2	1	2	3	1		9	SG, JM
MO-MPK Upstream at RR	12/12/14 0210 0210						2	2	SG, JM
Edison RC Pipe at MPK - Lower	12/12/14 0210 0210						2	2	SG, JM
Edison RC Pipe at MPK - Upper	12/12/14 0210 0210						2	2	SG, JM

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWPD Date/Time 12/12/14 | 1340

Received Printed Name Matt Gammeh
 Signature [Signature]
 Affiliation Dr. K... Date/Time 12/12/14 | 1340

Other Notes: Please run EPA 624 on travel blanks only if constituents detected in original analysis
EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Grabs - Weck Laboratories (SIDE 1 of 2)

Sampling Date: 12/12/14 Project Number: 2014/15-3 (Wet) Grabs

Sampling Team: KH, KP; AA, WW; BS, DW; SG, JM

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits								Number of Bottles	NOTES
ME-CC	12/12/14 0325	3	1	2	3	1								10	BS, DW
ME-SCR	12/12/14 0240	2	1	2	3	1								9	AA, WW
ME-VR2	12/12/14 0135	2	1	2	3	1								9	KH, KP
MO-CAM	12/12/14 0235	2	1	2	3	1								9	BS, DW
MO-OJA	12/12/14 00:10	2	1	2	3	1								9	KH, KP
MO-MEI	↓ 00:40	2	1	2	3	1								9	KH, KP
MO-VEN	12/12/14 0130	2	1	2	3	1								9	AA, WW
MO-OXN	12/12/14 0020	2	1	2	3	1								9	BS, DW
FD 1		2	1	2	3	1								9	

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Received Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

SEE SIDE 2

Other Notes: Please run EPA 624 on travel blanks only if constituents detected in original analysis
EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Composites - Weck Laboratories (SIDE 1 of 2)

442100

Sampling Date: 12/12/14 Project Number: 2014/15-3 (Wet) Composites

Sampling Team: KH, KP; BS; SG; WBC, DW; SG, JM

SAMPLE ID	DATE/TIME COLLECTED	Barium, total	Chlorine Residual	NO3-N	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC	12/12/2014 11:30am	X	X	X	X	X	X	X	X	X	X	X	X	X	1	SG
ME-SCR	12/12/14 10:22	X			X	X	X	X	X	X	X	X	X	X	1	KH, KP
ME-VR2	12/12/14 12:02	X			X	X	X	X	X	X	X	X	X	X	1	BS
MO-CAM	12/12/2014 10:50am	X			X	X	X	X	X	X	X	X	X	X	1	SG
MO-OJA	12/12/14 11:00	X			X	X	X	X	X	X	X	X	X	X	1	BS
MO-MEI	" 11:30	X			X	X	X	X	X	X	X	X	X	X	1	BS
MO-VEN	12/12/14 12:22	X			X	X	X	X	X	X	X	X	X	X	1	KH, KP

Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg

Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.)

608 include alpha- & gamma-chlordane

* Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS

Lab to select samples for MS/MSD where extra volume permits (all test methods)

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Received Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

SEE SIDE 2

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).



4412100

Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Composites - Weck Laboratories (SIDE 2 of 2)

Sampling Date: 12/12/14 Project Number: 2014/15-3 (Wet) Composites
 Sampling Team: KH, KP, BS, SG, WBC, DW, SG, JM

SAMPLE ID	DATE/TIME COLLECTED	Barium, total	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
MO-SPA	12/12/14 10:30	X	X	X	X	X	X	X	X	X	X	X	1	WBC, DW
MO-FIL	10:58	X	X	X	X	X	X	X	X	X	X	X	1	WBC, DW
MO-SIM	12:00	X	X	X	X	X	X	X	X	X	X	X	1	WBC, DW
MO-MPK	11:34	X	X	X	X	X	X	X	X	X	X	X	1	WBC, DW
MO-THO	03:50	X	X	X	X	X	X	X	X	X	X	X	1	SG, JM
MO-OXN	11:10	X	X	X	X	X	X	X	X	X	X	X	1	KH, KP
MO-HUE	11:45	X	X	X	X	X	X	X	X	X	X	X	1	KH, KP

Metals by 200.8, Total & Dissolved:
 Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg

Metals by 200.7, Total (only):
 Ca, Mg (for Hardness calc.)

608 include alpha- & gamma-chlordane

* Same extraction with low-level spike for 3 methods:
 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS

Lab to select samples for MS/MSD where extra volume permits (all test methods)

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWPD Date/Time 12/12/14/1340

Received Printed Name Matt Gorman
 Signature [Signature]
 Affiliation D.L.M. Date/Time 12/12/14/1340

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).

2014/15 - E3

Priority	Method	Description	Fraction	Min. vol. (ml)	Cumulative vol. (ml)
	1 EPA 200.8	14 Metals	Total	150	150
	2 SM 5540 C	14 MBAS	n/a	100	250
	3 EPA 515.3	13 Chlorinated acids	n/a	50	300
	4 EPA 525.2	14 Organics	n/a	1000	1300
	5 EPA 314.0	14 Perchlorate	n/a	10	1310
	6 EPA 300.0	14 Chloride/Fluoride	n/a	10	1320
	7 SM 2540 C	14 Total Dissolved Solids	n/a	150	1470
	8 EPA 350.1	14 Ammonia as N	n/a	50	1520
	9 EPA 351.2	14 TKN	n/a	50	1570
	10 EPA 353.2	14 Nitrate + Nitrite as N	n/a	50	1620
	11 EPA 365.1	14 Phosphorus as P	Total	50	1670
	12 EPA 365.1	14 Phosphorus as P	Dissolved	75	1745
	13 EPA 200.8	14 Metals	Dissolved	150	1895
	14 EPA 200.7	14 Hardness as CaCO3	Total	150	2045
	15 EPA 245.1	14 Mercury	Total	50	2095
	16 EPA 245.1	14 Mercury	Dissolved	50	2145
	17 EPA 218.6	14 Chromium VI	n/a	10	2155
	18 SM 2540 D	14 Total Suspended Solids	n/a	1000	3155
See	19 EPA 525.2m	13 Organics	n/a	1000	4155
	20 EPA 8015B	14 TPH, GRO, DRO	n/a	1000	5155
	21 EPA 547	14 Glyphosate	n/a	40	5195
	22 EPA 410.4	14 COD	n/a	50	5245
	23 EPA 160.4	13 VSS	n/a	50	5295
	24 SM 5310 C	14 TOC	n/a	250	5545
See	25 SM 5210 B	13 BOD	n/a	500	6045
	26 EPA 180.1	13 Turbidity	n/a	25	6070
	27 EPA 420.4	13 Phenolics	n/a	100	6170
	28 SM 2320 B	13 Alkalinity as CaCO3	n/a	50	6220
	29 SM 2510 B	13 Specific Conductance	n/a	50	6270
	30 SM 4500-Cl G	1 Total Chlorine Residual	n/a	50	6320
	31 EPA 608	13 OC Pesticides/PCBs	n/a	1000	7320
	32 EPA 625	13 Base/neutral and Acids	n/a	1000	8320
	33 EPA 8270Cm	13 Semi-volatile organics	n/a	1000	9320

Priority pollutants in outfalls

Comments

Aluminum, chromium, arsenic

pentachlorophenol

bis(2-ethylhexyl)phthalate, benzo(a)pyrene

chloride

diazinon, chlorpyrifos, malathion



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Equipment - Weck Laboratories

Sampling Date: 12/12/14 Project Number: 2014/15-3 (Wet) Cleaning
 Sampling Team: Kit

EQUIPMENT	Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required	NOTES
18.5 L wide neck carboy and lid				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			5	
Black bags			14	
20 L narrow neck carboy, ¹ / ₂ lids, attachment assembly	14			Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Lids with holes	5		2	
Grey buckets			9	

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWPD Date/Time 12/12/14 / 1340

Received Printed Name Matt Gamm
 Signature [Signature]
 Affiliation DWR Date/Time 12/12/14 / 1340

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Sampling Date: 12/12/14 Project Number: 2014/15-3 (Wet)
 Sampling Team: AA, WW

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-SCR	12/12/14 0240				X				1	Note 1, Note 2, Note 3
MO-SPA						X			2	Note 1, Note 2, Note 3

Relinquished Printed Name BRAM SERCU
 Signature [Signature]
 Affiliation VCWPD Date/Time 12/12/14 1035

Received Printed Name Jim Moran
 Signature [Signature]
 Affiliation AQUATIC BIOASSAY Date/Time 12-12-14 1035

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
 Note 3: Notify District within 24 hours if significant toxicity is observed.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 4/7/15

Project Number: 2014/15-4 (Wet)

Sampling Team: K. HAHS, N. DE JESUS

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC	---	X	X	X	X	X	X	3	3 DNA Filters
	ME-SCR	---	X	X	X	X	X	X	3	3 DNA Filters
	ME-VR2	4/7/15 16:50	X	X	X	X	X	X	2	3 DNA Filters
	MO-GAM	---	X	X	X	X	X	X	2	2 DNA Filters
	MO-OJA	4/7/15 15:40	X	X		X	X	X	2	2 DNA Filters
	MO-MEI	4/7/15 15:00	X	X		X	X	X	2	2 DNA Filters
	MO-VEN	---	X	X	X	X	X	X	2	2 DNA Filters
	FD-1	---	X	X	X	X	X	X	1	

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCHCA Date/Time 4/7/15 / 1805

Received Printed Name Nadia West
 Signature [Signature]
 Affiliation PH Lab Date/Time 040715 @ 1808

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli All times in PDT



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 4/7/15 Project Number: 2014/15-4 (Wet)
 Sampling Team: BS, CL

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC		X	X	X	X	X	X	3	3 DNA Filters
	ME-SCR	4/7/15 1740	X	X	X	X	X	X	3	3 DNA Filters <i>Rain</i>
	ME-VR2		X	X	X	X	X	X	2	3 DNA Filters
	MO-CAM		X	X		X	X	X	2	2 DNA Filters
	MO-OJA		X	X		X	X	X	2	2 DNA Filters
	MO-MEI		X	X		X	X	X	2	2 DNA Filters
	MO-VEN	4/7/15 1530	X	X		X	X	X	2	2 DNA Filters <i>2/2/10/0/1</i>
	FD-1		X	X		X	X	X	1	

Relinquished Printed Name BRAM SEROV
 Signature [Signature]
 Affiliation VCHCA Date/Time 4/7/15 1825

Received Printed Name Madia West
 Signature [Signature]
 Affiliation PH Lab Date/Time 040715

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 2 of 2)

Sampling Date: See side 1 Project Number: 2014/15-4 (Wet)

Sampling Team: PS CL

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	MO-SPA	4/7/15 1620	X	X		X	X	X	2	2 DNA Filters
	MO-FIL	4 1650	X	X		X	X	X	2	2 DNA Filters
	MO-SIM		X	X		X	X	X	2	2 DNA Filters
	MO-MPK		X	X		X	X	X	2	2 DNA Filters
	MO-THO		X	X		X	X	X	2	2 DNA Filters
	MO-OXN		X	X		X	X	X	2	2 DNA Filters
	MO-HUE		X	X		X	X	X	2	2 DNA Filters

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time: _____

Received Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 4-7-15 Project Number: 2014/15-4 (Wet)

Sampling Team: AA & DW

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC		X	X	X	X	X	X	3	3 DNA Filters
	ME-SCR		X	X	X	X	X	X	3	3 DNA Filters
	ME-VR2		X	X	X	X	X	X	2	3 DNA Filters
	MO-CAM	4-7-15 17:02	X	X		X	X	X	2	2 DNA Filters 003'
	MO-OJA		X	X		X	X	X	2	2 DNA Filters
	MO-MEI		X	X		X	X	X	2	2 DNA Filters
	MO-VEN		X	X		X	X	X	2	2 DNA Filters
	FD-1		X	X		X	X	X	1	

Relinquished Printed Name ARNE ANSELM
 Signature [Signature]
 Affiliation VCWPD Date/Time 4-7-15 18:00

Received Printed Name Neelika West
 Signature [Signature]
 Affiliation PH Lab Date/Time 04/07/15

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



5208065

Chain of Custody Record

Ventura County Watershed Protection District
 NPDES Stormwater Monitoring Program
 Project: NPDES Stormwater Wet Season
 Grabs - Weck Laboratories (SIDE 1 of 2)

Sampling Date: 4/7/15 Project Number: 2014/15-4 (Wet) Grabs
 Sampling Team: BS

SAMPLE ID	DATE/TIME COLLECTED	ANALYSIS						Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits			
ME-CC		3	1	2	3	1		10	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks. </div>
ME-SCR		2	1	2	3	1		9	
ME-VR2	4/7/15 1650	2	1	2	3	1		9	
MO-CAM		2	1	2	3	1		9	
MO-OJA	4/7/15 1540	2	1	2	3	1		9	
MO-MEI	" 1500	2	1	2	3	1		9	
MO-VEN		2	1	2	3	1		9	
MO-OXN		2	1	2	3	1		9	
FD-1		2	1	2	3	1		9	

Relinquished Printed Name BRAM SORCU
 Signature [Signature]
 Affiliation VC WPO Date/Time 4/8/15 1420

Received Printed Name [Signature]
 Signature [Signature]
 Affiliation _____ Date/Time _____

Other Notes: Please run EPA 624 on travel blanks only if constituents detected in original analysis
EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve
[Signature] 4/8/15 1725

SS 4/9/15



Chain of Custody Record
Ventura County Watershed Protection District 5208067
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Composites - Weck Laboratories (SIDE 1 of 2)

Sampling Date: _____

Project Number: 2014/15-4 (Wet) Composites

Sampling Team: _____

SAMPLE ID	DATE/TIME COLLECTED	Barium, total	Chlorine Residual	NO3-N	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC		X	X	X	X	X	X	X	X	X	X	X	X	X	1	<p>Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg</p> <p>Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.)</p> <p>608 include alpha- & gamma-chlordane</p> <p>* Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS</p> <p>Lab to select samples for MS/MSD where extra volume permits (all test methods)</p>
ME-SCR		X			X	X	X	X	X	X	X	X	X	1		
ME-VR2		X			X	X	X	X	X	X	X	X	X	1		
MO-CAM		X			X	X	X	X	X	X	X	X	X	1		
MO-OJA	4/8/15 0830	X			X	X	X	X	X	X	X	X	X	1		
MO-MEI	" 0906	X			X	X	X	X	X	X	X	X	X	1		
MO-VEN		X			X	X	X	X	X	X	X	X	X	1		

Relinquished Printed Name BRAM SORCU

Signature [Signature]

Affiliation VCWPD Date/Time 4/8/15 1420 4.5

Received Printed Name [Signature]

Signature [Signature]

Affiliation _____ Date/Time _____

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).

255 4/9/15



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Equipment - Weck Laboratories

Sampling Date: _____ Project Number: 2014/15-4 (Wet) Cleaning

Sampling Team: _____

EQUIPMENT	Clean with detergent and HNO ₃	Clean with detergent, HNO ₃ , and methanol*	No action required	NOTES
18.5 L wide neck carboy and lid	1	6		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			9	
Black bags			9	
20 L narrow neck carboy, 2 lids, attachment assembly		3		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

COURIER
PICK UP

Relinquished Printed Name Brian Soru

Signature _____

Affiliation VCWPO Date/Time 4/8/15 1920

Received Printed Name _____

Signature _____

Affiliation _____ Date/Time _____

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.



Ventura County Public Health

A Division of the Ventura County Health Care Agency

RIGOBERTO VARGAS, MPH
Director

Robert M. Levin, MD
Health Officer/Medical Director

To: Kelly Hahs, Ventura County Watershed Protection District

The Public Health Laboratory received samples from The Watershed Protection District On May 15th, 2015. Unfortunately, Due to a laboratory accident, we are unable to provide results for the following specimens:

ME-SCR

ME-VR2

ME-CC

Please call 805-981-5131, or email denise.vonbargen@ventura.org with any further questions.

Thank you,

A handwritten signature in black ink that reads "Denise Von Barga".

Denise Von Barga
Laboratory Director



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2) !

Sampling Date: 5/15/15 Project Number: 2014/15-5 (Wet)
 Sampling Team: K. HAHS, D. WILKINSON

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
ME-CC			X	X	X	X	X	X	3	3 DNA Filters
ME-SCR		5/15/15 0945	X	X	X	X	X	X	2	3 DNA Filters
ME-VR2			X	X	X	X	X	X	2	3 DNA Filters
MO-CAM			X	X		X	X	X	2	2 DNA Filters
MO-OJA			X	X		X	X	X	2	2 DNA Filters
MO-MEI			X	X		X	X	X	2	2 DNA Filters
MO-VEN			X	X		X	X	X	2	2 DNA Filters
FD-1			X	X		X	X	X	1	
ME-VR2		5/15/15 0830	X	X	X	X	X	X	2	3 DNA FILTERS

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCHCA Date/Time 5/15/15 / 11:10 PDT

Received Printed Name [Signature]
 Signature [Signature]
 Affiliation PAC Date/Time 5/15/15 11:10 AM

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
 1:10 and 1:1000 dilutions for Enterococcus and E. coli + 1:100
 1:100



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Bacteriological - VCHCA Lab (SIDE 1 of 2)

Sampling Date: 5/15/15 Project Number: 2014/15-5 (Wet)

Sampling Team: T. LIDDELL, A. ANSELM

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC	5/15/15 1031	X	X	X	X	X	X	3	3 DNA Filters
	ME-SCR		X	X	X	X	X	X	3	3 DNA Filters
	ME-VR2		X	X	X	X	X	X	2	3 DNA Filters
	MO-CAM		X	X		X	X	X	2	2 DNA Filters
	MO-OJA		X	X		X	X	X	2	2 DNA Filters
	MO-MEI		X	X		X	X	X	2	2 DNA Filters
	MO-VEN		X	X		X	X	X	2	2 DNA Filters
	FD-1		X	X		X	X	X	1	

Relinquished Printed Name Tommy LIDDELL
 Signature [Signature]
 Affiliation VCPD Date/Time 5/15/15 11:34

Received Printed Name Syreefa Steele
 Signature [Signature]
 Affiliation PHL Date/Time 5/15/15 11:35

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10 and 1:1000 dilutions for Enterococcus and E. coli



5E15114

Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Grabs - Weck Laboratories (SIDE 1 of 2)

Sampling Date: 5/15/15 Project Number: 2014/15-5 (Wet) Grabs
 Sampling Team: K.H, D.W.; BS, JM.; AA, TL

SAMPLE ID	DATE/TIME COLLECTED							Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits			
ME-CC	5/15/15 10:51	3	1	2	3	1		10	AA, TL
ME-SCR	5/15/15 0945	2	1	2	3	1		9	KH, DW
ME-VR2	5/15/15 0830	2	1	2	3	1		9	BS, JM
MO-CAM		2	1	2	3	1		9	
MO-OJA		2	1	2	3	1		9	
MO-MEI		2	1	2	3	1		9	
MO-VEN		2	1	2	3	1		9	
MO-OXN		2	1	2	3	1		9	
FD-1		2	1	2	3	1		9	

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.

COURIER
PICK UP

Relinquished Printed Name ARNE ANSELM
 Signature [Signature]
 Affiliation VCWPD Date/Time 5-15-15 15:25

Received Printed Name _____
 Signature [Signature] 5/15/15 18:25
 Affiliation _____ Date/Time _____

Other Notes: Please run EPA 624 on travel blanks only if constituents detected in original analysis 1.7C
 EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Grabs - Weck Laboratories (SIDE 2 of 2)

Sampling Date: _____ Project Number: 2014/15-5 (Wet) Grabs

Sampling Team: _____

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits	EPA 515.3	Number of Bottles	NOTES
MO-SPA		2	1	2	3	1			Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
MO-FIL		2	1	2	3	1			
MO-SIM		2	1	2	3	1			
MO-HUE		2	1	2	3	1		9	
MO-THO		2	1	2	3	1		9	
MO-MPK		2	1	2	3	1		9	
MO-MPK Upstream at RR							2	2	
Edison RC Pipe at MPK - Lower							2	2	
Edison RC Pipe at MPK - Upper							2	2	

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Received Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: Please run EPA 624 on travel blanks only if constituents detected in original analysis
 EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Composites - Weck Laboratories (SIDE 1 of 2)

5E15110

Sampling Date: 5/15/15

Project Number: 2014/15 Wet Composites

Sampling Team: KH, DW; BS, JM; AA, TL

SAMPLE ID	DATE/TIME COLLECTED	Barium, total	Chlorine Residual	NO3-N	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC	5/15/15 15:25	X	X	X	X	X	X	X	X	X	X	X	X	X	1	AA, TL
ME-SCR	5/15/15 09:35	X			X	X	X	X	X	X	X	X	X	X	1	KH, DW
ME-VR2	5/15/15 08:30	X			X	X	X	X	X	X	X	X	X	X	1	BS, JM
MO-CAM	5/15/15 10:30	X			X	X	X	X	X	X	X	X	X	X	1	KH, DW
MO-OJA	5/15/15 10:30	X			X	X	X	X	X	X	X	X	X	X	1	
MO-MEI	5/15/15 10:30	X			X	X	X	X	X	X	X	X	X	X	1	
MO-VEN	5/15/15 09:08	X			X	X	X	X	X	X	X	X	X	X	1	BS, JM Note: cancelled analyses due to lack of rain

Relinquished

Printed Name ARNE ANSELM

Signature [Signature]

Affiliation VCWPD

Date/Time 15:35 5-15-15

Received

Printed Name Journalmen 5/15/15 10:25

Signature [Signature]

Affiliation 23C

Date/Time 2:30

Other Notes:

1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Composites - Week Laboratories (SIDE 2 of 2)

5E1S110

Sampling Date: 5/15/15

Project Number: 2014/15-5 (Wet) Composites

Sampling Team: see side 1

SAMPLE ID	DATE/TIME COLLECTED	Barium, total	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
MO-SPA	5/15/15 0805	X	X	X	X	X	X	X	X	X	X	X	X	KH, DW
MO-FIL	5/15/15 0830	X	X	X	X	X	X	X	X	X	X	X	X	KH, DW
MO-SIM	5/15/15 0910	X	X	X	X	X	X	X	X	X	X	X	X	AA, TL
MO-MPK	5/15/15 0835	X	X	X	X	X	X	X	X	X	X	X	X	AA, TL Ltd volume in 2" bottle
MO-THO	5/15/15 0941	X	X	X	X	X	X	X	X	X	X	X	1	AA, TL
MO-oxn	5/15/15 0925	X	X	X	X	X	X	X	X	X	X	X	1	BS, JM Note: since had analysed above fact of rain
MO-HUE	5/15/15 0928	X	X	X	X	X	X	X	X	X	X	X	1	BS, JM

Relinquished **COURIER PICK UP** Printed Name: _____ Signature: _____ Affiliation: _____ Date/Time: _____

Received **COURIER PICK UP** Printed Name: _____ Signature: _____ Affiliation: _____ Date/Time: _____

SEE SIDE 1 *Jaraman 5/15/15 10:25* *2.30*

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Equipment - Weck Laboratories

Sampling Date: 5/15/15 Project Number: 2014/15-5 (Wet) Cleaning
 Sampling Team: KH

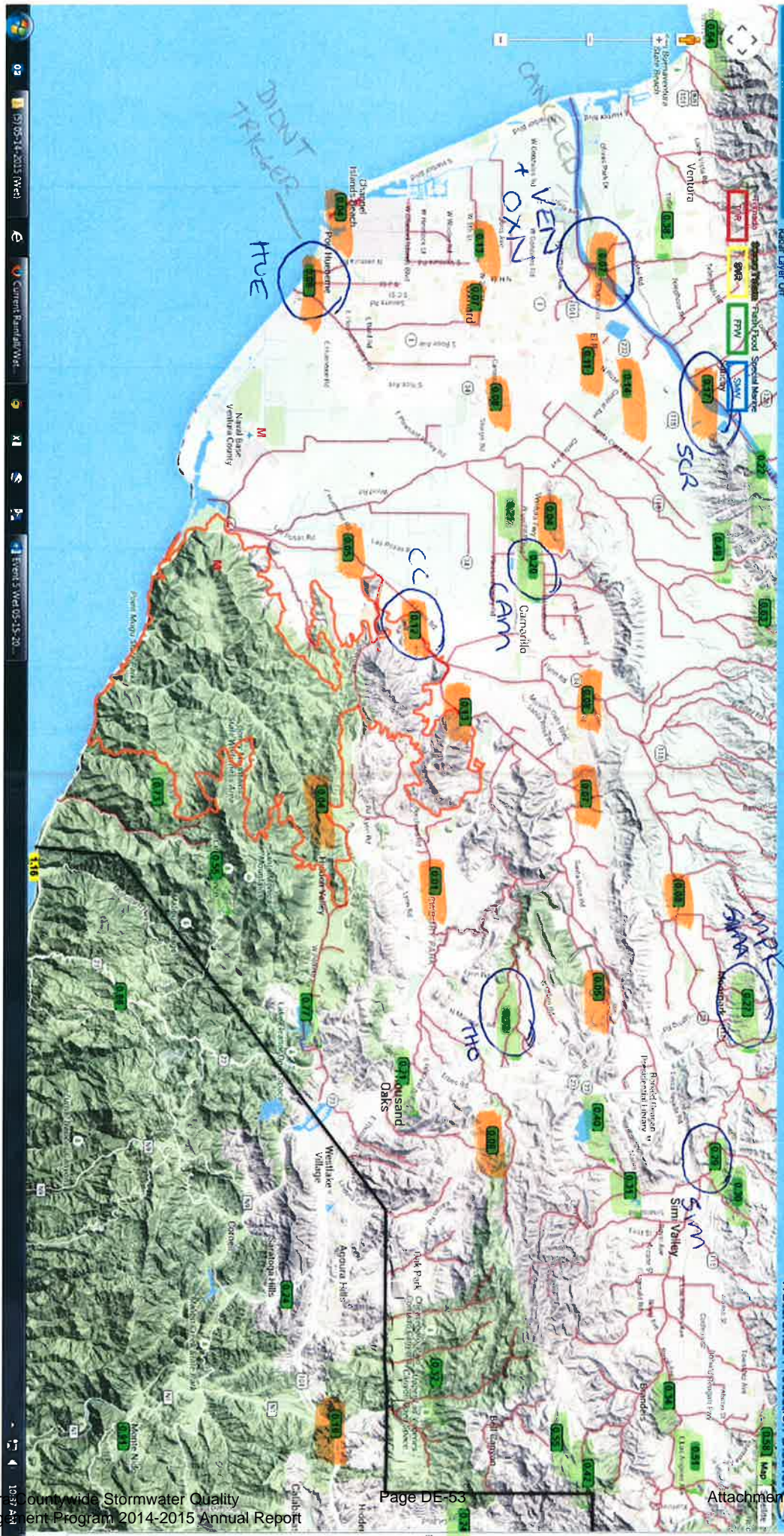
EQUIPMENT	Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required	NOTES
18.5 L wide neck carboy and lid		4		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			11	
Black bags			11	
20 L narrow neck carboy, lids, attachment assembly		7		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

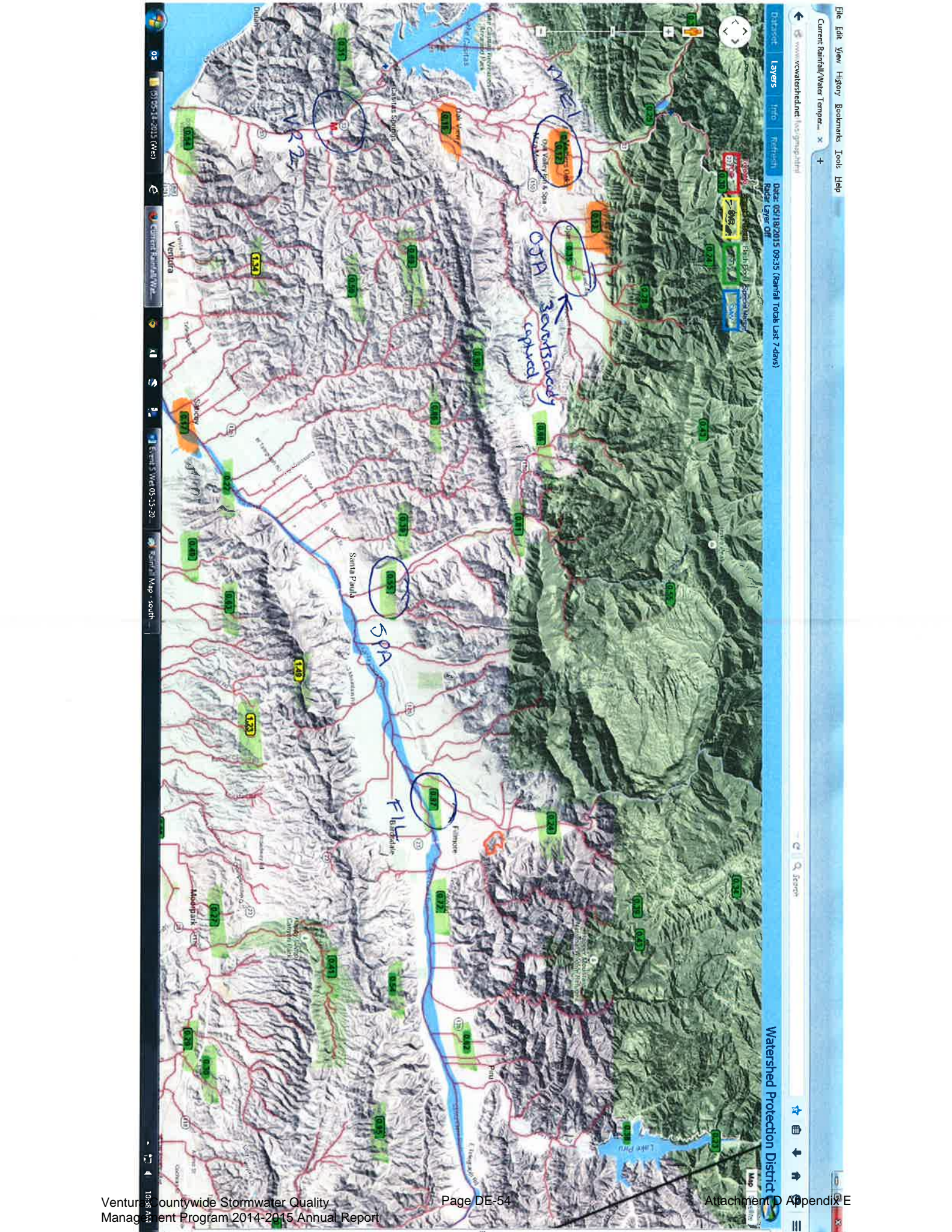
COURIER
PICK UP

Relinquished Printed Name ARNE ANSELM
 Signature [Handwritten Signature]
 Affiliation VCWPD Date/Time 5-15-15 15:35

Received Printed Name _____
 Signature [Handwritten Signature]
 Affiliation _____ Date/Time _____

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.







Chain of Custody Record
 Ventura County Watershed Protection District
 NPDES Stormwater Monitoring Program
 Project: NPDES Stormwater Wet Season
 Bacteriological - VCHCA Lab (SIDE 1 of 1)

VRW
 DRY (#6)^E

Sampling Date: 6/23/15 Project Number: 2014/15-6 (Dry)

Sampling Team: K. HAHS, W.B. CAREY

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	Number of Bottles	NOTES
	ME-VR2	6/23/15 11:40	X	X	X	X	X	X	1	ADDITIONAL
	MO-OJA		X	X	X	X	X	X	2	2 DNA Filters
	MO-MEI		X	X	X	X	X	X	2	2 DNA Filters

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWPD Date/Time 6/23/15 / 12:30

Received Printed Name SALVADOR Y. BARRACAN
 Signature [Signature]
 Affiliation P.H-LAB Date/Time 6/23/15 12:33

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10, 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Grabs - Week Laboratories (SIDE 1 of 1)

5F23099

Sampling Date: 6/23/15 Project Number: 2014/15-6 (Dry) Grabs
 Sampling Team: K. HAHS, W.B. CAREY

SAMPLE ID	DATE/TIME COLLECTED	Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits							Number of Bottles	NOTES
ME-VR2	6/23/15 11:40	2	1	2	3	1							9	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
MO-OJA		2	1	2	3	1							9	
MO-MEI		2	1	2	3	1							9	

SAMPLE PICK-UP

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWPP Date/Time 6/23/15 / 14:45

Received Printed Name ALLAN GOLDBERG
 Signature [Signature]
 Affiliation WEEK Date/Time 6/23/15 14:50 1.0°C

RELINQX Other Notes: all WEEK VCWPP 6/23/15 1745
 Please run EPA 624 on travel blanks only if constituents detected in original analysis Jamison 6/23/15 1745
 EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Composites - Week Laboratories (SIDE 1 of 1)

5F23084

Sampling Date: 6/23/15

Project Number: 2014/15-6 (Dry) Composites

Sampling Team: K. HAHS, WB. CAREY

SAMPLE ID	DATE/TIME COLLECTED	Barium, total	Chlorine Residual	NO3-N	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
																Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.) 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test methods)
ME-VR2	6/23/15 11:30	X			X	X	X	X	X	X	X	X	X	X	1	
MO-OJA	6/23/15 10:50	X			X	X	X	X	X	X	X	X	X	X	1	limited volume*
MO-MEI		X			X	X	X	X	X	X	X	X	X	X	1	

SAMPLE PICK-UP

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWPD Date/Time 6/23/15 / 14:45

Received Printed Name ALLAN GOLDBERG
 Signature [Signature] ALLAN G
 Affiliation WECC Date/Time 6/23/15 1450

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).
* [Signature] 6/23/15 1745 202

CSS 6/24/15



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Equipment - Weck Laboratories

Sampling Date: 6/23/15 Project Number: 2014/15-6 (Dry) Cleaning
 Sampling Team: K. HAHS

EQUIPMENT	Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required	NOTES
18.5 L wide neck carboy and lid		32		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			32	
Black bags			32	
20 L narrow neck carboy, 2 lids, attachment assembly				Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
				<div style="color: red; font-size: 2em; font-weight: bold;">SAMPLE PICK-UP</div>

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWPD Date/Time 6/23/15 14:45

Received Printed Name ANNA GOLDBERG
 Signature [Signature]
 Affiliation WECK Date/Time 6/23/15 14:50

Other Notes: RELINQX
all ANNA G 6/23/15 1745
 * Please clean with detergent, nitric, and methanol and **do not** rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.

Jannah 6/23/15 1745



Chain of Custody Record
 Ventura County Watershed Protection District
 NPDES Stormwater Monitoring Program
 Project: NPDES Stormwater Wet Season
 Bacteriological - VCHCA Lab (SIDE 1 of 1)

SCRW
 +
 HUE
 DRY (EG) (C)

Sampling Date: 7/1/15 Project Number: 2014/15-6 (Dry)
 Sampling Team: K. HAHS, W.B. CAREY

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-SCR	7/1/15 11:30	X	X	X	X	X	X	1	XXXXXXXXXX
	MO-FIL	08:55	X	X	X	X	X	X	2	2 DNA Filters
	MO-FIL MO-HUE	10:25	X	X	X	X	X	X	2	2 DNA Filters
	MO-FIL	DRY	X	X	X	X	X	X	2	2 DNA Filters
	MO-FIL	DRY	X	X	X	X	X	X	2	2 DNA Filters

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCPD Date/Time 7/1/15/12:50 PDT

Received Printed Name Lauren Stead
 Signature [Signature]
 Affiliation PHL Date/Time 7/1/15 @ 12:55 PDT

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time
1:10, 1:100, and 1:1000 dilutions for Enterococcus and E. coli All times PDT



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Grabs - Weck Laboratories (SIDE 1 of 1)

560109Z

Sampling Date: 7/1/2015 Project Number: 2014/15-6 (Dry) Grabs
 Sampling Team: K. HAHS, WB. CAREY

SAMPLE ID	DATE/TIME COLLECTED	Analytes						Travel Blanks (EPA 624)-only analyze if hits	Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)					
ME-SCR	7/1/15 11:30	2	1	2	3			2	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.	
MO-FIL	08:55	2	1	2	3			2		
MO- SP HUE	✓ 10:25	2	1	2	3			2		
MO- OXN	DRY	2	1	2	3			2		
MO- VEN	DRY	2	1	2	3			2		

SAMPLE PICK-UP

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCEWPD Date/Time 7/1/15 / 14:00

Received Printed Name ALLAN GOLDBERG
 Signature [Signature]
 Affiliation WECK LABS Date/Time 7/1/15 / 14:00

Other Notes: Please run EPA 624 on travel blanks only if constituents detected in original analysis
 EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve
REINQ x [Signature] ALLAN G 7/1/15 1735 Jamshmer 7/1/15 1735 2-16

055 7/2/15



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Composites - Weck Laboratories (SIDE 1 of 1)

5601068

Sampling Date: 7/1/2015 Project Number: 2014/15-6 (Dry) Composites
 Sampling Team: K. HAHS, WB. CAREY

SAMPLE ID	DATE/TIME COLLECTED	Barium, total	Chlorine Residual	NO3-N	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-SCR	7/1/15 11:30	X			X	X	X	X	X	X	X	X	X	X	1	Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Tl, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.) 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test methods)
MO-FIL	08:45	X			X	X	X	X	X	X	X	X	X	1		
MO-SP MO-HUE	10:25	X			X	X	X	X	X	X	X	X	X	1		
MO-oxn	DRY	X			X	X	X	X	X	X	X	X	X	1		
MO-VEN	DRY	X			X	X	X	X	X	X	X	X	X	1		

SAMPLE PICKUP

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWSP Date/Time 7/1/15 / 14:00

Received Printed Name ALLAN GOLDBERG
 Signature [Signature]
 Affiliation WECK LABS Date/Time 7/1/15 / 14:00

Other Notes: 1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).

CS 7/2/15



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Equipment - Weck Laboratories

Sampling Date: 7/1/2015 Project Number: 2014/15-6 (Dry) Cleaning
 Sampling Team: K. HAHS, WB CAREY

EQUIPMENT	Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required	NOTES
18.5 L wide neck carboy and lid		2		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			3	
Black bags			3	
20 L narrow neck carboy, lid, attachment assembly		1		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
				SAMPLE PICK-UP

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWPD Date/Time 7/1/15 / 14:00

Received Printed Name ALLAN GOLDBERG
 Signature [Signature]
 Affiliation WECK LABS Date/Time 7/1/15 / 14:00

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.
RELINQ X [Signature] ALLAN G 7/1/15 1735 [Signature] 7/1/15 1735



Chain of Custody Record
 Ventura County Watershed Protection District
 NPDES Stormwater Monitoring Program
 Project: NPDES Stormwater Wet Season
 Bacteriological - VCHCA Lab (SIDE 1 of 1)

*CCW
 Dry (26)*

Sampling Date: 7/7/15 Project Number: 2014/15-6 (Dry)
 Sampling Team: K. HAHS, WB CAREY

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (25 Tube Method - MPNX)	Fecal Coliform (25 Tube Method - MPNX)	Enterococcus (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	Total Coliform (Tray Method - WQ IDEXX)	DNA Filter	Number of Bottles	NOTES
	ME-CC	7/7/15 11:15	X	X	X	X	X	NA	1	4 DNA Filters
	MO-MPK	_____	X	X	X	X	X	X	2	2 DNA Filters
	MO-SIM	09:20	X	X	X	X	X	X	2	2 DNA Filters
	MO-THO	10:20	X	X	X	X	X	X	2	2 DNA Filters
	MO-CAM	11:50	X	X	X	X	X	X	2	2 DNA Filters
	FD-1	10:20	X	X		X	X		1	

Relinquished Printed Name KELLY HAHS
 Signature *Kelly HaHS*
 Affiliation VCWPD Date/Time 7/7/15 / 12:30

Received Printed Name Salvador Barajas
 Signature *S. Barajas*
 Affiliation PIT-LAB Date/Time 7/7/15 12:34

Other Notes: Perform bacteriological analyses within 6 hours of sample collection time All times PDT.
1:10, 1:100, and 1:1000 dilutions for Enterococcus and E. coli



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program 5607111
Project: NPDES Stormwater Wet Season
Grabs - Weck Laboratories (SIDE 1 of 1)

Sampling Date: 7/7/15 Project Number: 2014/15-6 (Dry) Grabs
 Sampling Team: F. HAHS, WB. CAREY

SAMPLE ID	DATE/TIME COLLECTED	Analytes						Number of Bottles	NOTES
		Oil & Grease (EPA 1664A)	Cyanide (ASTM D7511)	GRO (EPA 8015B)	MTBE & 2CLEVE (EPA 624)	Travel Blanks (EPA 624)-only analyze if hits			
ME-CC	7/7/15 11:15	2	1	2	3	1	9	Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.	
MO-MPK	---	2	1	2	3	1	9		
MO-SIM	7/7/15 09:20	2	1	2	3	1	9		
MO-THO	↓ 10:20	2	1	2	3	1	9		
MO-CAM	↓ 11:50	2	1	2	3	1	9		
FD-1	↓ 10:20	2	1	2	3	1	9		

Relinquished Printed Name KELLY HAHS / WB CAREY
 Signature [Signature]
 Affiliation VCWPD Date/Time 7/7/15 / 1340

Received Printed Name Josue Velasquez
 Signature [Signature]
 Affiliation _____ Date/Time 7/7/15 1340

Other Notes: Please run EPA 624 on travel blanks only if constituents detected in original analysis
EPA 624 has replaced EPA 524.2 for MTBE and 2-Cleve Jama/mon 7/7/15 1600 1.90

COURIER
PICK UP



5607094

Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Composites - Week Laboratories (SIDE 1 of 1)

Sampling Date: 7/7/15

Project Number: 2014/15-6 (Dry) Composites

Sampling Team: K. HAHS, W.B. CAREY

SAMPLE ID	DATE/TIME COLLECTED	Barium, total	Chlorine Residual	NO3-N	Metals, total & dissolved (+ Hardness)	Cr+6	BOD, COD, MBAS, TKN, Ammonia, TOC	NO3+NO2 (353.2), Cl, F (300.0), Phenolics	Phosphorus-P Total & Dissolved	625-CTR, 8270SIM-PAH, 8270SIM-Phenols *	515.3-Herb 547-Glyphosate, 608-CTR	525.2 Reg+507, 525-OPP-LL	DRO/ORO (EPA 8015B)	ALK, CLO4, Turb, TDS, TSS, VSS, Cond	Number of Bottles	NOTES
ME-CC	7/7/15 11:15	X	X	X	X	X	X	X	X	X	X	X	X	X	1	Metals by 200.8, Total & Dissolved: Sb, Ag, Al, As, Be, Cd, Cr, Cu, Fe, Ni, Pb, Se, Ti, Zn, Hg Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.) 608 include alpha- & gamma-chlordane * Same extraction with low-level spike for 3 methods: 625CTR, 8270SIM-PAH, & 8270SIM-PHENOLS Lab to select samples for MS/MSD where extra volume permits (all test methods)
MO-MPK	---	X	X	X	X	X	X	X	X	X	X	X	X	X	1	
MO-SIM	7/7/15 09:20	X			X	X	X	X	X	X	X	X	X	X	1	
MO-THO	↓ 10:20	X			X	X	X	X	X	X	X	X	X	X	1	
MO-CAM	↓ 11:50	X			X	X	X	X	X	X	X	X	X	X	1	

Relinquished

Printed Name KELLY HAHS / W.B. CAREY

Signature [Signature]

Affiliation VCWPD

Date/Time 7/7/15 / 1340

Received

Printed Name Josue Velasquez

Signature [Signature]

Affiliation _____

Date/Time 7/7/15 13:40

Other Notes:

1) Filter for dissolved metals and perform conductivity analyses immediately. 2) DRO/ORO by EPA 8015B and total barium for all sites are new for 2014/15 monitoring season. 3) Please do not dilute limited volume samples when enacting priority list (low reporting limits are important).

Josue Velasquez 7/7/15 16:00 29C



5607094

Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Equipment - Weck Laboratories

Sampling Date: 7/7/15 Project Number: 2014/15-6 (Dry) Cleaning
 Sampling Team: K. HAYS, WB CAREY

EQUIPMENT	Clean with detergent and HNO3	Clean with detergent, HNO3, and methanol*	No action required	NOTES
18.5 L wide neck carboy and lid		3		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.
Blue cube cooler			4	
Black bags			4	
20 L narrow neck carboy, 2 lids, attachment assembly		1		Please place tape or plastic bag over top and note on wrap if bottle was cleaned with methanol.

Relinquished Printed Name KELLY HAYS / WB-CAREY
 Signature [Signature]
 Affiliation VCWPD Date/Time 7/7/15 / 1340

Received Printed Name Josue Velasquez
 Signature [Signature]
 Affiliation _____ Date/Time 7/7/15 / 1340

Other Notes: * Please clean with detergent, nitric, and methanol and do not rinse after methanol step (allow to air dry after methanol cleaning to avoid organics contamination). Record the bottles cleaned with methanol.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Major Outfall Dry Weather Monitoring
Bacteriological - VCHCA Lab

Sampling Date: 8/19/15 Sample Event: DRY 2015

Sampling Team: K. HAHS, W.B. CAREY

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	DNA FTHev	Number of Bottles	NOTES
	Gamarillo-1	—	—	—	—	2	MO-CAM 2DNA Filtes
1	Fillmore-1	8/19/15 1030	X	X	X	2	MO-FIL
	Moorpark-2	↓ 1120	X	X	X	2	MO-MPK DRY-MPK2
	Ojai-1	—	—	—	—	2	MO-OJA
	Oxnard-1	—	—	—	—	2	MO-OXN
	Port Huenelec-3	—	—	—	—	2	DRY-HUE3
2	Santa Paula-2	8/19/15 0920	X	X	X	2	DRY-SPA2
3	Simi Valley-1	↓ 1230	X	X	X	2	MO-SIM
4	Thousand Oaks-1	↓ 1345	X	X	X	2	MO-THO
5	Unincorporated-4	↓ 1310	X	X	X	2	DRY-UNI4
	Ventura-1	—	—	—	—	2	MO-VEN ↓

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCHCA Date/Time 8/19/15 / 1425

Received Printed Name Nadia Van Buren
 Signature [Signature]
 Affiliation PH LAB Date/Time 08/19/15 @ 1425

Other Notes: 1:10 and 1:1000 dilutions



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Major Outfall Dry Weather Monitoring
Bacteriological - VCHCA Lab

Sampling Date: 8/20/15 Sample Event: DRY 2015
 Sampling Team: K. HAHS, W.B. CAREY

LAB USE ONLY	SAMPLE ID	DATE/TIME COLLECTED	Total Coliform (Tray Method - WQ IDEXX)	E. coli (Tray Method - WQ IDEXX)	DNA FILTER	Number of Bottles	NOTES
	Camarillo-1	8/20/15 08:10	X	X	X	2	MO-CAM 2 DNA Filters
	Fillmore-1	—	—	—	—	—	MO-FIL
	Moorpark-1	—	—	—	—	—	MO-MPK
	Ojai-6	8/20/15 10:10	X	X	X	2	MO-OJA DRY-OJA 6
	Oxnard-1	↓ 07:35	X	X	X	2	MO-OXN
	Port Hueneme-3	↓ 11:40	X	X	X	2	DRY-HUE3
	Santa Paula-2	—	—	—	—	—	DRY-SPA2
	Simi Valley-1	—	—	—	—	—	MO-SIM
	Thousand Oaks-1	—	—	—	—	—	MO-THO
	Unincorporated-4	—	—	—	—	—	DRY-UNI4
	Ventura-1	8/20/15 0655	X	X	X	2	MO-VEN ✓

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VC SPD Date/Time 8/20/15 / 12:10

Received Printed Name Solusder Y. BARRERA
 Signature [Signature]
 Affiliation PCH-LAB Date/Time 8/20/15 12:15

Other Notes: 1:10 and 1:1000 dilutions



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Major Outfall Dry Weather Monitoring
Grabs - Weck Laboratories

Sampling Date: 8/19/15 + 8/20/15

Sample Event: DRY 2015

Sampling Team: K. HAHS, W.B. CAREY

SAMPLE ID	DATE/TIME COLLECTED	Total Hardness	TOC	Dissolved Metals by 200.8 (Lead, Zinc, Copper)	Number of Bottles	NOTES
Camarillo-1	8/20/15 08:10	X	X	X	3	MO-CAM
Fillmore-1	8/19/15 1030	X	X	X	3	MO-FIL
Moorpark-2	↓ 1120	X	X	X	3	MO-MPK DRY-MPK2
Ojai-6	8/20/15 1010	X	X	X	3	MO-OJA DRY-OJAG
Oxnard-1	↓ 0735	X	X	X	3	MO-OXN
Port Hueneme-3	↓ 11:40	X	X	X	3	DRY-HUE3
Santa Paula-2	8/19/15 0920	X	X	X	3	DRY-SPA2
Simi Valley-1	↓ 1230	X	X	X	3	MO-SIM
Thousand Oaks-1	↓ 1345	X	X	X	3	MO-THO
Unincorporated-14	↓ 1310	X	X	X	3	DRY-UNI14
Ventura-1	8/20/15 0655	X	X	X	3	MO-VEN

Lab to select samples for MS/MSD where extra volume permits (all test methods) excluding travel blanks.
 Metals by 200.7, Total (only): Ca, Mg (for Hardness calc.)

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWSPD Date/Time 8/20/15 / 1345

Received Printed Name _____
 Signature Alton Weck
 Affiliation _____ Date/Time _____

Other Notes: _____



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program

5d16031

Pyrethroid Study - 2015

Sampling Date: 4/15/15 + 4/16/15
 Sampling Team: K. HAHS, B. SERCU

Sample Event: Pyrethroid Study - 2015

SAMPLE ID	DATE/TIME COLLECTED	Pyrethroids - sediment (GC/MS NCI-SIM)	Total Organic Carbon - sediment (EPA 9060A)																Number of Bottles	NOTES
VR Up	4/15/15 16:00	1	1																2	
VR Down	4/16/15 08:45	1	1																2	
SCR Up	4/15/15 14:05	1	1																2	
SCR Down	08:45	1	1																2	
CC Up	12:45	1	1																2	
CC Down	10:45	1	1																2	
Trowel EB	0800	1	1																0	Equipment Blank - please rinse with ultrapure water and analyze rinsate.
FD	11:30																			CC Down

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCWPD Date/Time 4/16/15 / 10:55

Received Printed Name [Signature]
 Signature [Signature]
 Affiliation WJCKIND Date/Time 4/16/15 / 10:55

Other Notes: Analyze Pyrethroids with SWAMP limits LCS, MS/MSD recoveries 50-150%, RPD 25%
Analyze TOC with SWAMP limits LCS 80-120% and MS/MSD 75-125% recoveries, RPD 25%



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program

Pyrethroid Study - 2015

Sampling Date: 4/15/15 + 4/16/15 Sample Event: Pyrethroid study - 2015
 Sampling Team: K. HAHS, B. SERCU

SAMPLE ID	DATE/TIME COLLECTED	Sediment Toxicity (Hyaella azteca) *															Number of Bags	NOTES
VR Up	4/15/15 16:00	1															1	
VR Down	4/16/15 0845	1															1	
SCR Up	4/15/15 14:05	1															1	SCR WR 04A-01
SCR Down	↓ 0845	1															1	
CC Up	↓ 1245	1															1	CC WR 07-02
CC Down	↓ 1045	1															1	ME-CC
FD	↓ 11:30																	(ME-CC)

Relinquished Printed Name KELLY HAHS
 Signature [Signature]
 Affiliation VCD Date/Time 4/16/15 / 10:37

Received Printed Name ELIZABETH MASON
 Signature [Signature]
 Affiliation AQUATIC BIOASSAY LAB Date/Time 4-16-15 / 1037

Other Notes: Please invoice contract AE12-038 Extra Services
x 10 day growth + survival as per EPA 600/R-99/064



5016031

Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program

Pyrethroid Study - 2015

Sampling Date: 4/15/15 Sample Event: _____
 Sampling Team: K. HAHN, B. SERCU

SAMPLE ID	DATE/TIME COLLECTED	Pyrethroids - sediment (GC/MS NCI-SIM)	Total Organic Carbon - sediment (EPA 9060A)															Number of Bottles	NOTES
VR Up		1	1															2	
VR Down		1	1															2	
SCR Up		1	1															2	
SCR Down		1	1															2	
CC Up		1	1															2	
CC Down		1	1															2	
Trowel EB	4/15/15 0800	1	1															0	Equipment Blank - please rinse with ultrapure water and analyze rinsate.

SAMPLE PICK-UP

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation NCWAD Date/Time 4-17-15 / 1408

Received Printed Name MILAN GOLDBERG
 Signature [Signature]
 Affiliation WEEK LABS Date/Time 4-17-15 / 1408

Other Notes: Analyze Pyrethroids with SWAMP limits LCS, MS/MSD recoveries 50-150%, RPD 25%
Analyze TOC with SWAMP limits LCS 80-120% and MS/MSD 75-125% recoveries, RPD 25%

RELINQ X [Signature] MILAN 4/17/15 1645
 Management Program 2014-2015 Annual Report 4/17/15 1645



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program

Pyrethroid Study - 2015

Sampling Date: 8/13/15 Sample Event: Pyrethroid Study - 2015 - EB
 Sampling Team: K. HATS

SAMPLE ID	DATE/TIME COLLECTED	Pyrethroids (GC/MS NCI-SIM)																Number of Bottles	NOTES
Trowel EB	8/13/15 15:00	X																0	Equipment Blank - please rinse with ultrapure water and analyze rinsate. Target RL ≤1 ng/L
CANCELED																			

Relinquished Printed Name Kelly HATS KELLY HATS
 Signature [Signature]
 Affiliation VCWPD Date/Time 8/14/15 / 0915

Received Printed Name Allan G
 Signature _____
 Affiliation weck Date/Time _____

Other Notes: Analyze Pyrethroids with SWAMP limits LCS, MS/MSD recoveries 50-150%, RPD 25%.
Analyze TOC with SWAMP limits LCS 80-120% and MS/MSD 75-125% recoveries, RPD 25%



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program 5H18098

Pyrethroid Study - 2015

Sampling Date: 8/18/15 Sample Event: Pyrethroid Equipment blank - 2
 Sampling Team: W.B. CAREY

SAMPLE ID	DATE/TIME COLLECTED	Pyrethroids - sediment (GC/MS NCI-SIM)	Total Organic Carbon - sediment (EPA 9060A)																	Number of Bottles	NOTES
Trowel EB	1200 / 8-17-15	1	1																	0	Equipment Blank - please rinse with 1-L ultrapure water and analyze rinsate.

Relinquished Printed Name W.B. CAREY
 Signature W.B. Carey
 Affiliation VCWPD Date/Time 8/18/15 1404

Received Printed Name ALLAN GOLDBERG
 Signature all
 Affiliation WBECK LAB Date/Time 8/18/15 1404

Other Notes: Analyze Pyrethroids with SWAMP limits LCS, MS/MSD recoveries 50-150%, RPD 25%
Analyze TOC with SWAMP limits LCS 80-120% and MS/MSD 75-125% recoveries, RPD 25%

Jamalmen 8/18/15 1715 21.4°C

Appendix F. Laboratory QA/QC Analysis Results

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	000NONPJ	matrix spike	11/6/2014	Anion	Chloride	n/a	=	146	mg/L	EPA 300.0	2.5	12			
2014/15-1	000NONPJ	matrix spike	11/6/2014	Anion	Chloride	n/a	=	3.88	mg/L	EPA 300.0	0.1	0.5			
2014/15-1	000NONPJ	matrix spike dup	11/6/2014	Anion	Chloride	n/a	=	3.86	mg/L	EPA 300.0	0.1	0.5			
2014/15-1	000NONPJ	matrix spike dup	11/6/2014	Anion	Chloride	n/a	=	145	mg/L	EPA 300.0	2.5	12			
2014/15-1	000NONPJ	matrix spike dup, rec	11/6/2014	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	76	118	
2014/15-1	000NONPJ	matrix spike dup, rec	11/6/2014	Anion	Chloride	n/a	=	93	%	EPA 300.0	-88	-88	76	118	
2014/15-1	000NONPJ	matrix spike, rec	11/6/2014	Anion	Chloride	n/a	=	94	%	EPA 300.0	-88	-88	76	118	
2014/15-1	000NONPJ	matrix spike, rec	11/6/2014	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	76	118	
2014/15-1	000NONPJ	matrix spike, RPD	11/6/2014	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2014/15-1	000NONPJ	matrix spike, RPD	11/6/2014	Anion	Chloride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2014/15-1	000NONPJ	matrix spike	11/7/2014	Anion	Chloride	n/a	=	47.4	mg/L	EPA 300.0	1	5			
2014/15-1	000NONPJ	matrix spike, rec	11/7/2014	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	76	118	
2014/15-1	000NONPJ	matrix spike dup	11/7/2014	Anion	Chloride	n/a	=	47.6	mg/L	EPA 300.0	1	5			
2014/15-1	000NONPJ	matrix spike dup, rec	11/7/2014	Anion	Chloride	n/a	=	98	%	EPA 300.0	-88	-88	76	118	
2014/15-1	000NONPJ	matrix spike, RPD	11/7/2014	Anion	Chloride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2014/15-1	000NONPJ	matrix spike	11/7/2014	Anion	Chloride	n/a	=	49.3	mg/L	EPA 300.0	1	5			
2014/15-1	000NONPJ	matrix spike, rec	11/7/2014	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	76	118	
2014/15-1	000NONPJ	matrix spike dup	11/7/2014	Anion	Chloride	n/a	=	49.3	mg/L	EPA 300.0	1	5			
2014/15-1	000NONPJ	matrix spike dup, rec	11/7/2014	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	76	118	
2014/15-1	000NONPJ	matrix spike, RPD	11/7/2014	Anion	Chloride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2014/15-1	Lab	LCS	11/6/2014	Anion	Chloride	n/a	=	3.74	mg/L	EPA 300.0	0.1	0.5			
2014/15-1	Lab	LCS, rec	11/6/2014	Anion	Chloride	n/a	=	94	%	EPA 300.0	-88	-88	90	110	
2014/15-1	Lab	method blank	11/6/2014	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2014/15-1	Lab	method blank	11/7/2014	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2014/15-1	Lab	LCS	11/7/2014	Anion	Chloride	n/a	=	3.75	mg/L	EPA 300.0	0.1	0.5			
2014/15-1	Lab	LCS, rec	11/7/2014	Anion	Chloride	n/a	=	94	%	EPA 300.0	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike	11/6/2014	Anion	Fluoride	n/a	=	51.4	mg/L	EPA 300.0	0.5	2.5			
2014/15-1	000NONPJ	matrix spike	11/6/2014	Anion	Fluoride	n/a	=	2.12	mg/L	EPA 300.0	0.02	0.1			
2014/15-1	000NONPJ	matrix spike dup	11/6/2014	Anion	Fluoride	n/a	=	51.4	mg/L	EPA 300.0	0.5	2.5			
2014/15-1	000NONPJ	matrix spike dup	11/6/2014	Anion	Fluoride	n/a	=	2.12	mg/L	EPA 300.0	0.02	0.1			
2014/15-1	000NONPJ	matrix spike dup, rec	11/6/2014	Anion	Fluoride	n/a	=	106	%	EPA 300.0	-88	-88	86	107	
2014/15-1	000NONPJ	matrix spike dup, rec	11/6/2014	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	86	107	
2014/15-1	000NONPJ	matrix spike, rec	11/6/2014	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	86	107	
2014/15-1	000NONPJ	matrix spike, rec	11/6/2014	Anion	Fluoride	n/a	=	106	%	EPA 300.0	-88	-88	86	107	
2014/15-1	000NONPJ	matrix spike, RPD	11/6/2014	Anion	Fluoride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2014/15-1	000NONPJ	matrix spike, RPD	11/6/2014	Anion	Fluoride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2014/15-1	000NONPJ	matrix spike	11/7/2014	Anion	Fluoride	n/a	=	21.9	mg/L	EPA 300.0	0.2	1			
2014/15-1	000NONPJ	matrix spike, rec	11/7/2014	Anion	Fluoride	n/a	=	107	%	EPA 300.0	-88	-88	86	107	
2014/15-1	000NONPJ	matrix spike dup	11/7/2014	Anion	Fluoride	n/a	=	21.7	mg/L	EPA 300.0	0.2	1			
2014/15-1	000NONPJ	matrix spike dup, rec	11/7/2014	Anion	Fluoride	n/a	=	107	%	EPA 300.0	-88	-88	86	107	
2014/15-1	000NONPJ	matrix spike, RPD	11/7/2014	Anion	Fluoride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2014/15-1	000NONPJ	matrix spike	11/7/2014	Anion	Fluoride	n/a	=	21.8	mg/L	EPA 300.0	0.2	1			
2014/15-1	000NONPJ	matrix spike, rec	11/7/2014	Anion	Fluoride	n/a	=	107	%	EPA 300.0	-88	-88	86	107	
2014/15-1	000NONPJ	matrix spike dup	11/7/2014	Anion	Fluoride	n/a	=	21.8	mg/L	EPA 300.0	0.2	1			
2014/15-1	000NONPJ	matrix spike dup, rec	11/7/2014	Anion	Fluoride	n/a	=	107	%	EPA 300.0	-88	-88	86	107	
2014/15-1	000NONPJ	matrix spike, RPD	11/7/2014	Anion	Fluoride	n/a	=	0.1	%	EPA 300.0	-88	-88	0	20	
2014/15-1	Lab	LCS	11/6/2014	Anion	Fluoride	n/a	=	2.15	mg/L	EPA 300.0	0.02	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, rec	11/6/2014	Anion	Fluoride	n/a	=	107	%	EPA 300.0	-88	-88	90	110	
2014/15-1	Lab	method blank	11/6/2014	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2014/15-1	Lab	method blank	11/7/2014	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2014/15-1	Lab	LCS	11/7/2014	Anion	Fluoride	n/a	=	2.16	mg/L	EPA 300.0	0.02	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Anion	Fluoride	n/a	=	108	%	EPA 300.0	-88	-88	90	110	
2014/15-1	000NONPJ	lab duplicate	11/7/2014	Anion	Perchlorate	n/a	=	31.7	µg/L	EPA 314.0	4.8	10		15	
2014/15-1	000NONPJ	matrix spike	11/7/2014	Anion	Perchlorate	n/a	=	135	µg/L	EPA 314.0	9.5	20			
2014/15-1	000NONPJ	matrix spike dup	11/7/2014	Anion	Perchlorate	n/a	=	133	µg/L	EPA 314.0	9.5	20			
2014/15-1	000NONPJ	matrix spike dup, rec	11/7/2014	Anion	Perchlorate	n/a	=	101	%	EPA 314.0	-88	-88	80	120	
2014/15-1	000NONPJ	matrix spike, rec	11/7/2014	Anion	Perchlorate	n/a	=	103	%	EPA 314.0	-88	-88	80	120	
2014/15-1	000NONPJ	matrix spike, RPD	11/7/2014	Anion	Perchlorate	n/a	=	2	%	EPA 314.0	-88	-88	0	15	
2014/15-1	000NONPJ	lab duplicate	11/7/2014	Anion	Perchlorate	n/a	=	19.5	µg/L	EPA 314.0	4.8	10		15	
2014/15-1	000NONPJ	matrix spike	11/7/2014	Anion	Perchlorate	n/a	=	67.5	µg/L	EPA 314.0	4.8	10			
2014/15-1	000NONPJ	matrix spike dup	11/7/2014	Anion	Perchlorate	n/a	=	66.7	µg/L	EPA 314.0	4.8	10			
2014/15-1	000NONPJ	matrix spike dup, rec	11/7/2014	Anion	Perchlorate	n/a	=	97	%	EPA 314.0	-88	-88	80	120	
2014/15-1	000NONPJ	matrix spike, rec	11/7/2014	Anion	Perchlorate	n/a	=	98	%	EPA 314.0	-88	-88	80	120	
2014/15-1	000NONPJ	matrix spike, RPD	11/7/2014	Anion	Perchlorate	n/a	=	1	%	EPA 314.0	-88	-88	0	15	
2014/15-1	Lab	LCS	11/7/2014	Anion	Perchlorate	n/a	=	10.6	µg/L	EPA 314.0	0.95	2			
2014/15-1	Lab	LCS, rec	11/7/2014	Anion	Perchlorate	n/a	=	106	%	EPA 314.0	-88	-88	85	115	
2014/15-1	Lab	method blank	11/7/2014	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-1	Lab	LCS	11/7/2014	Anion	Perchlorate	n/a	=	10.2	µg/L	EPA 314.0	0.95	2			
2014/15-1	Lab	LCS, rec	11/7/2014	Anion	Perchlorate	n/a	=	102	%	EPA 314.0	-88	-88	85	115	
2014/15-1	Lab	method blank	11/7/2014	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-1	Lab	method blank	11/6/2014	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2014/15-1	Lab	LCS	11/6/2014	Cation	Calcium	Total	=	48.6	mg/L	EPA 200.7	0.016	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Cation	Calcium	Total	=	97	%	EPA 200.7	-88	-88	85	115	
2014/15-1	Lab	method blank	11/6/2014	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2014/15-1	Lab	LCS	11/6/2014	Cation	Calcium	Total	=	48.9	mg/L	EPA 200.7	0.016	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Cation	Calcium	Total	=	97	%	EPA 200.7	-88	-88	85	115	
2014/15-1	MO-HUE	matrix spike	11/6/2014	Cation	Calcium	Total	=	177	mg/L	EPA 200.7	0.016	0.1			
2014/15-1	MO-HUE	matrix spike, rec	11/6/2014	Cation	Calcium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-HUE	matrix spike dup	11/6/2014	Cation	Calcium	Total	=	176	mg/L	EPA 200.7	0.016	0.1			
2014/15-1	MO-HUE	matrix spike dup, rec	11/6/2014	Cation	Calcium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-HUE	matrix spike, RPD	11/6/2014	Cation	Calcium	Total	=	0.9	%	EPA 200.7	-88	-88	0	30	
2014/15-1	MO-MEI	matrix spike	11/6/2014	Cation	Calcium	Total	=	89.5	mg/L	EPA 200.7	0.016	0.1			
2014/15-1	MO-MEI	matrix spike, rec	11/6/2014	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-MEI	matrix spike dup	11/6/2014	Cation	Calcium	Total	=	89.3	mg/L	EPA 200.7	0.016	0.1			
2014/15-1	MO-MEI	matrix spike dup, rec	11/6/2014	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-MEI	matrix spike, RPD	11/6/2014	Cation	Calcium	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	
2014/15-1	MO-THO	matrix spike	11/6/2014	Cation	Calcium	Total	=	135	mg/L	EPA 200.7	0.016	0.1			
2014/15-1	MO-THO	matrix spike, rec	11/6/2014	Cation	Calcium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-THO	matrix spike dup	11/6/2014	Cation	Calcium	Total	=	138	mg/L	EPA 200.7	0.016	0.1			
2014/15-1	MO-THO	matrix spike dup, rec	11/6/2014	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-THO	matrix spike, RPD	11/6/2014	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-1	MO-VEN	matrix spike	11/6/2014	Cation	Calcium	Total	=	79	mg/L	EPA 200.7	0.016	0.1			
2014/15-1	MO-VEN	matrix spike, rec	11/6/2014	Cation	Calcium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-VEN	matrix spike dup	11/6/2014	Cation	Calcium	Total	=	79.4	mg/L	EPA 200.7	0.016	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-VEN	matrix spike dup, rec	11/6/2014	Cation	Calcium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-VEN	matrix spike, RPD	11/6/2014	Cation	Calcium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2014/15-1	Lab	LCS	11/6/2014	Cation	Magnesium	Total	=	46.9	mg/L	EPA 200.7	0.012	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Cation	Magnesium	Total	=	93	%	EPA 200.7	-88	-88	85	115	
2014/15-1	Lab	method blank	11/6/2014	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2014/15-1	Lab	LCS	11/6/2014	Cation	Magnesium	Total	=	47.5	mg/L	EPA 200.7	0.012	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Cation	Magnesium	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2014/15-1	MO-HUE	matrix spike	11/6/2014	Cation	Magnesium	Total	=	166	mg/L	EPA 200.7	0.012	0.1			
2014/15-1	MO-HUE	matrix spike, rec	11/6/2014	Cation	Magnesium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-HUE	matrix spike dup	11/6/2014	Cation	Magnesium	Total	=	165	mg/L	EPA 200.7	0.012	0.1			
2014/15-1	MO-HUE	matrix spike dup, rec	11/6/2014	Cation	Magnesium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-HUE	matrix spike, RPD	11/6/2014	Cation	Magnesium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2014/15-1	MO-MEI	matrix spike	11/6/2014	Cation	Magnesium	Total	=	63.3	mg/L	EPA 200.7	0.012	0.1			
2014/15-1	MO-MEI	matrix spike, rec	11/6/2014	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-MEI	matrix spike dup	11/6/2014	Cation	Magnesium	Total	=	63.7	mg/L	EPA 200.7	0.012	0.1			
2014/15-1	MO-MEI	matrix spike dup, rec	11/6/2014	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-MEI	matrix spike, RPD	11/6/2014	Cation	Magnesium	Total	=	0.7	%	EPA 200.7	-88	-88	0	30	
2014/15-1	MO-THO	matrix spike	11/6/2014	Cation	Magnesium	Total	=	115	mg/L	EPA 200.7	0.012	0.1			
2014/15-1	MO-THO	matrix spike, rec	11/6/2014	Cation	Magnesium	Total	=	91	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-THO	matrix spike dup	11/6/2014	Cation	Magnesium	Total	=	116	mg/L	EPA 200.7	0.012	0.1			
2014/15-1	MO-THO	matrix spike dup, rec	11/6/2014	Cation	Magnesium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-THO	matrix spike, RPD	11/6/2014	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2014/15-1	MO-VEN	matrix spike	11/6/2014	Cation	Magnesium	Total	=	57	mg/L	EPA 200.7	0.012	0.1			
2014/15-1	MO-VEN	matrix spike, rec	11/6/2014	Cation	Magnesium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-VEN	matrix spike dup	11/6/2014	Cation	Magnesium	Total	=	56.8	mg/L	EPA 200.7	0.012	0.1			
2014/15-1	MO-VEN	matrix spike dup, rec	11/6/2014	Cation	Magnesium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-VEN	matrix spike, RPD	11/6/2014	Cation	Magnesium	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	
2014/15-1	000NONPJ	lab duplicate	11/3/2014	Conventional	Alkalinity as CaCO3	n/a	=	715	mg/L	SM 2320 B	0.56	10		15	
2014/15-1	000NONPJ	lab duplicate	11/11/2014	Conventional	Alkalinity as CaCO3	n/a	=	60.5	mg/L	SM 2320 B	0.56	2		15	
2014/15-1	000NONPJ	lab duplicate	11/12/2014	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.18	mg/L	SM 2320 B	0.56	2		15	
2014/15-1	Lab	LCS	11/3/2014	Conventional	Alkalinity as CaCO3	n/a	=	256	mg/L	SM 2320 B	0.56	10			
2014/15-1	Lab	LCS, rec	11/3/2014	Conventional	Alkalinity as CaCO3	n/a	=	103	%	SM 2320 B	-88	-88	94	108	
2014/15-1	Lab	method blank	11/3/2014	Conventional	Alkalinity as CaCO3	n/a	DNQ	2.26	mg/L	SM 2320 B	0.56	10			
2014/15-1	Lab	LCS	11/6/2014	Conventional	Alkalinity as CaCO3	n/a	=	252	mg/L	SM 2320 B	0.56	10			
2014/15-1	Lab	LCS, rec	11/6/2014	Conventional	Alkalinity as CaCO3	n/a	=	101	%	SM 2320 B	-88	-88	94	108	
2014/15-1	Lab	method blank	11/6/2014	Conventional	Alkalinity as CaCO3	n/a	DNQ	2.33	mg/L	SM 2320 B	0.56	10			
2014/15-1	Lab	LCS	11/11/2014	Conventional	Alkalinity as CaCO3	n/a	=	239	mg/L	SM 2320 B	0.56	2			
2014/15-1	Lab	LCS, rec	11/11/2014	Conventional	Alkalinity as CaCO3	n/a	=	96	%	SM 2320 B	-88	-88	94	108	
2014/15-1	Lab	method blank	11/11/2014	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.18	mg/L	SM 2320 B	0.56	2			
2014/15-1	Lab	LCS	11/12/2014	Conventional	Alkalinity as CaCO3	n/a	=	251	mg/L	SM 2320 B	0.56	2			
2014/15-1	Lab	LCS, rec	11/12/2014	Conventional	Alkalinity as CaCO3	n/a	=	100	%	SM 2320 B	-88	-88	94	108	
2014/15-1	Lab	method blank	11/12/2014	Conventional	Alkalinity as CaCO3	n/a	DNQ	0.99	mg/L	SM 2320 B	0.56	2			
2014/15-1	ME-CC	lab duplicate	11/6/2014	Conventional	Alkalinity as CaCO3	n/a	=	287	mg/L	SM 2320 B	0.56	10		15	
2014/15-1	000NONPJ	lab duplicate	11/7/2014	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2014/15-1	Lab	LCS	11/7/2014	Conventional	BOD	n/a	=	175	mg/L	SM 5210 B	2	2			
2014/15-1	Lab	LCS	11/7/2014	Conventional	BOD	n/a	=	180	mg/L	SM 5210 B	2	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, rec	11/7/2014	Conventional	BOD	n/a	=	91	%	SM 5210 B	-88	-88	85	115	
2014/15-1	Lab	LCS, rec	11/7/2014	Conventional	BOD	n/a	=	88	%	SM 5210 B	-88	-88	85	115	
2014/15-1	000NONPJ	matrix spike	11/4/2014	Conventional	COD	n/a	=	211	mg/L	EPA 410.4	1.5	10			
2014/15-1	000NONPJ	matrix spike dup	11/4/2014	Conventional	COD	n/a	=	209	mg/L	EPA 410.4	1.5	10			
2014/15-1	000NONPJ	matrix spike dup, rec	11/4/2014	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, rec	11/4/2014	Conventional	COD	n/a	=	101	%	EPA 410.4	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, RPD	11/4/2014	Conventional	COD	n/a	=	0.8	%	EPA 410.4	-88	-88	0	15	
2014/15-1	Lab	LCS	11/4/2014	Conventional	COD	n/a	=	106	mg/L	EPA 410.4	0.73	5			
2014/15-1	Lab	LCS, rec	11/4/2014	Conventional	COD	n/a	=	106	%	EPA 410.4	-88	-88	90	110	
2014/15-1	Lab	method blank	11/4/2014	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2014/15-1	MO-MEI	lab duplicate	11/4/2014	Conventional	COD	n/a	=	746	mg/L	EPA 410.4	1.5	10		15	
2014/15-1	MO-MEI	matrix spike	11/4/2014	Conventional	COD	n/a	=	2790	mg/L	EPA 410.4	1.5	10			
2014/15-1	MO-MEI	matrix spike dup	11/4/2014	Conventional	COD	n/a	=	2790	mg/L	EPA 410.4	1.5	10			
2014/15-1	MO-MEI	matrix spike dup, rec	11/4/2014	Conventional	COD	n/a	=	104	%	EPA 410.4	-88	-88	90	110	
2014/15-1	MO-MEI	matrix spike, rec	11/4/2014	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2014/15-1	MO-MEI	matrix spike, RPD	11/4/2014	Conventional	COD	n/a	=	0.1	%	EPA 410.4	-88	-88	0	15	
2014/15-1	000NONPJ	lab duplicate	11/6/2014	Conventional	Cyanide	Total	=	0.0308	mg/L	ASTM D7511	0.001	0.004			D
2014/15-1	Lab	LCS	11/6/2014	Conventional	Cyanide	Total	=	0.0479	mg/L	ASTM D7511	0.0005	0.002			
2014/15-1	Lab	LCS, rec	11/6/2014	Conventional	Cyanide	Total	=	96	%	ASTM D7511	-88	-88	84	116	
2014/15-1	Lab	method blank	11/6/2014	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2014/15-1	Lab	LCS	11/7/2014	Conventional	Cyanide	Total	=	0.0458	mg/L	ASTM D7511	0.0005	0.002			
2014/15-1	Lab	LCS, rec	11/7/2014	Conventional	Cyanide	Total	=	92	%	ASTM D7511	-88	-88	84	116	
2014/15-1	Lab	method blank	11/7/2014	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2014/15-1	ME-CC	matrix spike	11/6/2014	Conventional	Cyanide	Total	=	0.0505	mg/L	ASTM D7511	0.0005	0.002			
2014/15-1	ME-CC	matrix spike dup	11/6/2014	Conventional	Cyanide	Total	=	0.0481	mg/L	ASTM D7511	0.0005	0.002			
2014/15-1	ME-CC	matrix spike dup, rec	11/6/2014	Conventional	Cyanide	Total	=	96	%	ASTM D7511	-88	-88	64	136	
2014/15-1	ME-CC	matrix spike, rec	11/6/2014	Conventional	Cyanide	Total	=	101	%	ASTM D7511	-88	-88	64	136	
2014/15-1	ME-CC	matrix spike, RPD	11/6/2014	Conventional	Cyanide	Total	=	5	%	ASTM D7511	-88	-88	0	47	
2014/15-1	ME-VR2	matrix spike	11/6/2014	Conventional	Cyanide	Total	=	0.0502	mg/L	ASTM D7511	0.0005	0.002			
2014/15-1	ME-VR2	matrix spike dup	11/6/2014	Conventional	Cyanide	Total	=	0.0491	mg/L	ASTM D7511	0.0005	0.002			
2014/15-1	ME-VR2	matrix spike dup, rec	11/6/2014	Conventional	Cyanide	Total	=	97	%	ASTM D7511	-88	-88	64	136	
2014/15-1	ME-VR2	matrix spike, rec	11/6/2014	Conventional	Cyanide	Total	=	99	%	ASTM D7511	-88	-88	64	136	
2014/15-1	ME-VR2	matrix spike, RPD	11/6/2014	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2014/15-1	MO-HUE	matrix spike	11/7/2014	Conventional	Cyanide	Total	=	0.0646	mg/L	ASTM D7511	0.0005	0.002			
2014/15-1	MO-HUE	matrix spike dup	11/7/2014	Conventional	Cyanide	Total	=	0.0632	mg/L	ASTM D7511	0.0005	0.002			
2014/15-1	MO-HUE	matrix spike dup, rec	11/7/2014	Conventional	Cyanide	Total	=	77	%	ASTM D7511	-88	-88	64	136	
2014/15-1	MO-HUE	matrix spike, rec	11/7/2014	Conventional	Cyanide	Total	=	80	%	ASTM D7511	-88	-88	64	136	
2014/15-1	MO-HUE	matrix spike, RPD	11/7/2014	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2014/15-1	MO-THO	field duplicate	11/6/2014	Conventional	Cyanide	Total	=	0.01	mg/L	ASTM D7511	0.0005	0.002			
2014/15-1	Lab	LCS	11/2/2014	Conventional	MBAS	n/a	=	0.212	mg/L	SM 5540 C	0.019	0.05			
2014/15-1	Lab	LCS, rec	11/2/2014	Conventional	MBAS	n/a	=	106	%	SM 5540 C	-88	-88	82	115	
2014/15-1	Lab	method blank	11/2/2014	Conventional	MBAS	n/a	DNQ	0.024	mg/L	SM 5540 C	0.019	0.05			
2014/15-1	ME-VR2	matrix spike	11/2/2014	Conventional	MBAS	n/a	=	0.257	mg/L	SM 5540 C	0.019	0.05			
2014/15-1	ME-VR2	matrix spike dup	11/2/2014	Conventional	MBAS	n/a	=	0.243	mg/L	SM 5540 C	0.019	0.05			
2014/15-1	ME-VR2	matrix spike dup, rec	11/2/2014	Conventional	MBAS	n/a	=	90	%	SM 5540 C	-88	-88	74	123	
2014/15-1	ME-VR2	matrix spike, rec	11/2/2014	Conventional	MBAS	n/a	=	97	%	SM 5540 C	-88	-88	74	123	
2014/15-1	ME-VR2	matrix spike, RPD	11/2/2014	Conventional	MBAS	n/a	=	6	%	SM 5540 C	-88	-88	0	20	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS	11/2/2014	Conventional	pH	n/a	=	7.39	pH Units	SM 4500-H+ B	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/2/2014	Conventional	pH	n/a	=	100	%	SM 4500-H+ B	-88	-88	96.7	102	
2014/15-1	ME-VR2	lab duplicate	11/2/2014	Conventional	pH	n/a	=	7.74	pH Units	SM 4500-H+ B	0.1	0.1		3.24	
2014/15-1	000NONPJ	matrix spike	11/4/2014	Conventional	Phenolics	n/a	=	0.265	mg/L	EPA 420.4	0.0042	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/4/2014	Conventional	Phenolics	n/a	=	98	%	EPA 420.4	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike dup	11/4/2014	Conventional	Phenolics	n/a	=	0.259	mg/L	EPA 420.4	0.0042	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/4/2014	Conventional	Phenolics	n/a	=	96	%	EPA 420.4	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, RPD	11/4/2014	Conventional	Phenolics	n/a	=	2	%	EPA 420.4	-88	-88	0	20	
2014/15-1	000NONPJ	matrix spike	11/10/2014	Conventional	Phenolics	n/a	=	0.293	mg/L	EPA 420.4	0.0042	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/10/2014	Conventional	Phenolics	n/a	=	110	%	EPA 420.4	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike dup	11/10/2014	Conventional	Phenolics	n/a	=	0.29	mg/L	EPA 420.4	0.0042	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/10/2014	Conventional	Phenolics	n/a	=	108	%	EPA 420.4	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, RPD	11/10/2014	Conventional	Phenolics	n/a	=	1	%	EPA 420.4	-88	-88	0	20	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Conventional	Phenolics	n/a	=	0.609	mg/L	EPA 420.4	0.0084	0.02			GB
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Conventional	Phenolics	n/a	=	117	%	EPA 420.4	-88	-88	90	110	GB
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Conventional	Phenolics	n/a	=	0.572	mg/L	EPA 420.4	0.0084	0.02			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Conventional	Phenolics	n/a	=	110	%	EPA 420.4	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Conventional	Phenolics	n/a	=	6	%	EPA 420.4	-88	-88	0	20	
2014/15-1	Lab	LCS	11/4/2014	Conventional	Phenolics	n/a	=	0.106	mg/L	EPA 420.4	0.0042	0.01			
2014/15-1	Lab	LCS, rec	11/4/2014	Conventional	Phenolics	n/a	=	106	%	EPA 420.4	-88	-88	90	110	
2014/15-1	Lab	method blank	11/4/2014	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2014/15-1	Lab	LCS	11/10/2014	Conventional	Phenolics	n/a	=	0.0998	mg/L	EPA 420.4	0.0042	0.01			
2014/15-1	Lab	LCS, rec	11/10/2014	Conventional	Phenolics	n/a	=	100	%	EPA 420.4	-88	-88	90	110	
2014/15-1	Lab	method blank	11/10/2014	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2014/15-1	Lab	LCS	11/10/2014	Conventional	Phenolics	n/a	=	0.104	mg/L	EPA 420.4	0.0042	0.01			
2014/15-1	Lab	LCS, rec	11/10/2014	Conventional	Phenolics	n/a	=	104	%	EPA 420.4	-88	-88	90	110	
2014/15-1	Lab	method blank	11/10/2014	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2014/15-1	Lab	method blank	11/13/2014	Conventional	Phenolics	n/a	DNQ	0.0097	mg/L	EPA 420.4	0.0042	0.01			
2014/15-1	Lab	LCS	11/13/2014	Conventional	Phenolics	n/a	=	0.102	mg/L	EPA 420.4	0.0042	0.01			
2014/15-1	Lab	LCS, rec	11/13/2014	Conventional	Phenolics	n/a	=	102	%	EPA 420.4	-88	-88	90	110	
2014/15-1	000NONPJ	lab duplicate	11/7/2014	Conventional	Specific Conductance	n/a	DNQ	1.95	µmhos/cm	SM 2510 B	0.23	2		4.28	
2014/15-1	000NONPJ	lab duplicate	11/10/2014	Conventional	Specific Conductance	n/a	=	46800	µmhos/cm	SM 2510 B	0.23	2		4.28	
2014/15-1	Lab	LCS	11/7/2014	Conventional	Specific Conductance	n/a	=	195	µmhos/cm	SM 2510 B	0.23	2			
2014/15-1	Lab	LCS, rec	11/7/2014	Conventional	Specific Conductance	n/a	=	97	%	SM 2510 B	-88	-88	95	105	
2014/15-1	Lab	method blank	11/7/2014	Conventional	Specific Conductance	n/a	DNQ	0.74	µmhos/cm	SM 2510 B	0.23	2			
2014/15-1	Lab	LCS	11/7/2014	Conventional	Specific Conductance	n/a	=	192	µmhos/cm	SM 2510 B	0.23	2			
2014/15-1	Lab	LCS, rec	11/7/2014	Conventional	Specific Conductance	n/a	=	96	%	SM 2510 B	-88	-88	95	105	
2014/15-1	Lab	method blank	11/7/2014	Conventional	Specific Conductance	n/a	DNQ	0.48	µmhos/cm	SM 2510 B	0.23	2			
2014/15-1	Lab	LCS	11/10/2014	Conventional	Specific Conductance	n/a	=	4810	µmhos/cm	SM 2510 B	0.23	2			
2014/15-1	Lab	LCS, rec	11/10/2014	Conventional	Specific Conductance	n/a	=	96	%	SM 2510 B	-88	-88	95	105	
2014/15-1	Lab	method blank	11/10/2014	Conventional	Specific Conductance	n/a	DNQ	1.03	µmhos/cm	SM 2510 B	0.23	2			
2014/15-1	ME-VR2	lab duplicate	11/7/2014	Conventional	Specific Conductance	n/a	=	1330	µmhos/cm	SM 2510 B	0.23	2		4.28	
2014/15-1	Lab	LCS	11/2/2014	Conventional	Total Chlorine Residual	n/a	=	0.192	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-1	Lab	LCS, rec	11/2/2014	Conventional	Total Chlorine Residual	n/a	=	96	%	SM 4500-Cl G	-88	-88	85	110	
2014/15-1	Lab	method blank	11/2/2014	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-1	ME-VR2	matrix spike	11/2/2014	Conventional	Total Chlorine Residual	n/a	=	0.392	mg/L	SM 4500-Cl G	0.003	0.1			
2014/15-1	ME-VR2	matrix spike dup	11/2/2014	Conventional	Total Chlorine Residual	n/a	=	0.413	mg/L	SM 4500-Cl G	0.003	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	ME-VR2	matrix spike dup, rec	11/2/2014	Conventional	Total Chlorine Residual	n/a	=	95	%	SM 4500-Cl G	-88	-88	78	114	
2014/15-1	ME-VR2	matrix spike, rec	11/2/2014	Conventional	Total Chlorine Residual	n/a	=	89	%	SM 4500-Cl G	-88	-88	78	114	
2014/15-1	ME-VR2	matrix spike, RPD	11/2/2014	Conventional	Total Chlorine Residual	n/a	=	5	%	SM 4500-Cl G	-88	-88	0	15	
2014/15-1	000NONPJ	lab duplicate	11/5/2014	Conventional	Total Dissolved Solids	n/a	=	437	mg/L	SM 2540 C	4	10		10	
2014/15-1	Lab	LCS	11/5/2014	Conventional	Total Dissolved Solids	n/a	=	824	mg/L	SM 2540 C	4	10			
2014/15-1	Lab	LCS, rec	11/5/2014	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2014/15-1	Lab	method blank	11/5/2014	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2014/15-1	MO-HUE	lab duplicate	11/5/2014	Conventional	Total Dissolved Solids	n/a	=	3310	mg/L	SM 2540 C	4	10		10	
2014/15-1	000NONPJ	matrix spike	11/5/2014	Conventional	Total Organic Carbon	n/a	=	8.08	mg/L	SM 5310 C	0.009	0.3			
2014/15-1	000NONPJ	matrix spike dup	11/5/2014	Conventional	Total Organic Carbon	n/a	=	8.18	mg/L	SM 5310 C	0.009	0.3			
2014/15-1	000NONPJ	matrix spike dup, rec	11/5/2014	Conventional	Total Organic Carbon	n/a	=	101	%	SM 5310 C	-88	-88	80	116	
2014/15-1	000NONPJ	matrix spike, rec	11/5/2014	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 C	-88	-88	80	116	
2014/15-1	000NONPJ	matrix spike, RPD	11/5/2014	Conventional	Total Organic Carbon	n/a	=	1	%	SM 5310 C	-88	-88	0	20	
2014/15-1	Lab	LCS	11/5/2014	Conventional	Total Organic Carbon	n/a	=	4.94	mg/L	SM 5310 C	0.009	0.3			
2014/15-1	Lab	LCS, rec	11/5/2014	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 C	-88	-88	85	115	
2014/15-1	Lab	method blank	11/5/2014	Conventional	Total Organic Carbon	n/a	DNQ	0.0216	mg/L	SM 5310 C	0.009	0.3			
2014/15-1	Lab	method blank	11/5/2014	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2014/15-1	ME-CC	lab duplicate	11/5/2014	Conventional	Total Suspended Solids	n/a	=	725	mg/L	SM 2540 D	-88	5		20	
2014/15-1	MO-HUE	lab duplicate	11/5/2014	Conventional	Total Suspended Solids	n/a	=	83	mg/L	SM 2540 D	-88	5		20	
2014/15-1	000NONPJ	lab duplicate	11/2/2014	Conventional	Turbidity	n/a	=	11.8	NTU	EPA 180.1	0.024	0.1		10	
2014/15-1	Lab	LCS	11/2/2014	Conventional	Turbidity	n/a	=	25.2	NTU	EPA 180.1	0.024	0.1			
2014/15-1	Lab	LCS, rec	11/2/2014	Conventional	Turbidity	n/a	=	97	%	EPA 180.1	-88	-88	90	110	
2014/15-1	Lab	method blank	11/2/2014	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2014/15-1	Lab	method blank	11/5/2014	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2014/15-1	ME-CC	lab duplicate	11/5/2014	Conventional	Volatile Suspended Solids	n/a	=	120	mg/L	EPA 160.4	3.1	5		15	
2014/15-1	MO-HUE	lab duplicate	11/5/2014	Conventional	Volatile Suspended Solids	n/a	=	27	mg/L	EPA 160.4	3.1	5		15	
2014/15-1	Lab	method blank	11/11/2014	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1			
2014/15-1	Lab	LCS	11/11/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.623	mg/L	EPA 8015B	0.024	0.1			
2014/15-1	Lab	LCS, rec	11/11/2014	Hydrocarbon	Diesel Range Organics	n/a	=	125	%	EPA 8015B	-88	-88	56	136	
2014/15-1	Lab	LCS dup	11/11/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.519	mg/L	EPA 8015B	0.024	0.1			
2014/15-1	Lab	LCS dup, rec	11/11/2014	Hydrocarbon	Diesel Range Organics	n/a	=	104	%	EPA 8015B	-88	-88	56	136	
2014/15-1	Lab	LCS, RPD	11/11/2014	Hydrocarbon	Diesel Range Organics	n/a	=	18	%	EPA 8015B	-88	-88	0	25	
2014/15-1	Lab	method blank	11/14/2014	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1			
2014/15-1	Lab	LCS	11/14/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.592	mg/L	EPA 8015B	0.024	0.1			
2014/15-1	Lab	LCS, rec	11/14/2014	Hydrocarbon	Diesel Range Organics	n/a	=	118	%	EPA 8015B	-88	-88	56	136	
2014/15-1	Lab	LCS dup	11/14/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.618	mg/L	EPA 8015B	0.024	0.1			
2014/15-1	Lab	LCS dup, rec	11/14/2014	Hydrocarbon	Diesel Range Organics	n/a	=	124	%	EPA 8015B	-88	-88	56	136	
2014/15-1	Lab	LCS, RPD	11/14/2014	Hydrocarbon	Diesel Range Organics	n/a	=	4	%	EPA 8015B	-88	-88	0	25	
2014/15-1	Lab	method blank	11/7/2014	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-1	Lab	LCS	11/7/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1.1	mg/L	EPA 8015B	0.044	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	110	%	EPA 8015B	-88	-88	75	123	
2014/15-1	Lab	LCS dup	11/7/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1.15	mg/L	EPA 8015B	0.044	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	115	%	EPA 8015B	-88	-88	75	123	
2014/15-1	Lab	LCS, RPD	11/7/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	5	%	EPA 8015B	-88	-88	0	25	
2014/15-1	Lab	method blank	11/10/2014	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-1	Lab	LCS	11/10/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1.09	mg/L	EPA 8015B	0.044	0.1			
2014/15-1	Lab	LCS, rec	11/10/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	109	%	EPA 8015B	-88	-88	75	123	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS dup	11/10/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1.11	mg/L	EPA 8015B	0.044	0.1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	111	%	EPA 8015B	-88	-88	75	123	
2014/15-1	Lab	LCS, RPD	11/10/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	2	%	EPA 8015B	-88	-88	0	25	
2014/15-1	MO-THO	field duplicate	11/7/2014	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-1	Lab	srgt method blank	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.309	mg/L	EPA 8015B	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	123	%	EPA 8015B	-88	-88	64	155	
2014/15-1	Lab	srgt LCS	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.3	mg/L	EPA 8015B	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	120	%	EPA 8015B	-88	-88	64	155	
2014/15-1	Lab	srgt LCS dup	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.309	mg/L	EPA 8015B	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	124	%	EPA 8015B	-88	-88	64	155	
2014/15-1	Lab	srgt method blank	11/14/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.31	mg/L	EPA 8015B	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/14/2014	Hydrocarbon	n-Tetracosane	n/a	=	124	%	EPA 8015B	-88	-88	64	155	
2014/15-1	Lab	srgt LCS	11/14/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.299	mg/L	EPA 8015B	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/14/2014	Hydrocarbon	n-Tetracosane	n/a	=	120	%	EPA 8015B	-88	-88	64	155	
2014/15-1	Lab	srgt LCS dup	11/14/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.305	mg/L	EPA 8015B	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/14/2014	Hydrocarbon	n-Tetracosane	n/a	=	122	%	EPA 8015B	-88	-88	64	155	
2014/15-1	ME-CC	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.164	mg/L	EPA 8015B	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	65	%	EPA 8015B	-88	-88	64	155	
2014/15-1	ME-VR2	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.308	mg/L	EPA 8015B	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	123	%	EPA 8015B	-88	-88	64	155	
2014/15-1	MO-CAM	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.198	mg/L	EPA 8015B	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	79	%	EPA 8015B	-88	-88	64	155	
2014/15-1	MO-FIL	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.239	mg/L	EPA 8015B	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	95	%	EPA 8015B	-88	-88	64	155	
2014/15-1	MO-HUE	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.212	mg/L	EPA 8015B	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	85	%	EPA 8015B	-88	-88	64	155	
2014/15-1	MO-MEI	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.235	mg/L	EPA 8015B	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	94	%	EPA 8015B	-88	-88	64	155	
2014/15-1	MO-MPK	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.172	mg/L	EPA 8015B	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	69	%	EPA 8015B	-88	-88	64	155	
2014/15-1	MO-OJA	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.197	mg/L	EPA 8015B	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	79	%	EPA 8015B	-88	-88	64	155	
2014/15-1	MO-OXN	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.177	mg/L	EPA 8015B	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	71	%	EPA 8015B	-88	-88	64	155	
2014/15-1	MO-SIM	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.192	mg/L	EPA 8015B	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	77	%	EPA 8015B	-88	-88	64	155	
2014/15-1	MO-SPA	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.21	mg/L	EPA 8015B	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	84	%	EPA 8015B	-88	-88	64	155	
2014/15-1	MO-THO	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.231	mg/L	EPA 8015B	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	92	%	EPA 8015B	-88	-88	64	155	
2014/15-1	MO-VEN	srgt environ	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.173	mg/L	EPA 8015B	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/11/2014	Hydrocarbon	n-Tetracosane	n/a	=	69	%	EPA 8015B	-88	-88	64	155	
2014/15-1	Lab	LCS	11/5/2014	Hydrocarbon	Oil and Grease	n/a	DNQ	4.4	mg/L	EPA 1664A	1.3	5			
2014/15-1	Lab	LCS	11/5/2014	Hydrocarbon	Oil and Grease	n/a	=	16.9	mg/L	EPA 1664A	1.3	5			
2014/15-1	Lab	LCS, rec	11/5/2014	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2014/15-1	Lab	LCS, rec	11/5/2014	Hydrocarbon	Oil and Grease	n/a	=	84	%	EPA 1664A	-88	-88	78	114	
2014/15-1	Lab	method blank	11/5/2014	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS	11/11/2014	Hydrocarbon	Oil and Grease	n/a	DNQ	4	mg/L	EPA 1664A	1.3	5			
2014/15-1	Lab	LCS	11/11/2014	Hydrocarbon	Oil and Grease	n/a	=	17.7	mg/L	EPA 1664A	1.3	5			
2014/15-1	Lab	LCS, rec	11/11/2014	Hydrocarbon	Oil and Grease	n/a	=	80	%	EPA 1664A	-88	-88	78	114	
2014/15-1	Lab	LCS, rec	11/11/2014	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2014/15-1	Lab	method blank	11/11/2014	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2014/15-1	ME-CC	matrix spike	11/11/2014	Hydrocarbon	Oil and Grease	n/a	=	19.7	mg/L	EPA 1664A	1.3	5			
2014/15-1	ME-CC	matrix spike dup	11/11/2014	Hydrocarbon	Oil and Grease	n/a	=	19.4	mg/L	EPA 1664A	1.3	5			
2014/15-1	ME-CC	matrix spike dup, rec	11/11/2014	Hydrocarbon	Oil and Grease	n/a	=	85	%	EPA 1664A	-88	-88	78	114	
2014/15-1	ME-CC	matrix spike, rec	11/11/2014	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2014/15-1	ME-CC	matrix spike, RPD	11/11/2014	Hydrocarbon	Oil and Grease	n/a	=	2	%	EPA 1664A	-88	-88	0	18	
2014/15-1	MO-HUE	matrix spike	11/5/2014	Hydrocarbon	Oil and Grease	n/a	=	21.2	mg/L	EPA 1664A	1.3	5			
2014/15-1	MO-HUE	matrix spike dup	11/5/2014	Hydrocarbon	Oil and Grease	n/a	=	19.7	mg/L	EPA 1664A	1.3	5			
2014/15-1	MO-HUE	matrix spike dup, rec	11/5/2014	Hydrocarbon	Oil and Grease	n/a	=	89	%	EPA 1664A	-88	-88	78	114	
2014/15-1	MO-HUE	matrix spike, rec	11/5/2014	Hydrocarbon	Oil and Grease	n/a	=	93	%	EPA 1664A	-88	-88	78	114	
2014/15-1	MO-HUE	matrix spike, RPD	11/5/2014	Hydrocarbon	Oil and Grease	n/a	=	7	%	EPA 1664A	-88	-88	0	18	
2014/15-1	MO-THO	field duplicate	11/5/2014	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2014/15-1	Lab	method blank	11/11/2014	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2014/15-1	Lab	method blank	11/10/2014	Metal	Aluminum	Dissolved	<	2.1	µg/L	EPA 200.8	2.1	5			
2014/15-1	Lab	LCS	11/10/2014	Metal	Aluminum	Dissolved	=	52.2	µg/L	EPA 200.8	2.1	5			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Aluminum	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/13/2014	Metal	Aluminum	Dissolved	<	2.1	µg/L	EPA 200.8	2.1	5			
2014/15-1	Lab	LCS	11/13/2014	Metal	Aluminum	Dissolved	=	49.3	µg/L	EPA 200.8	2.1	5			
2014/15-1	Lab	LCS, rec	11/13/2014	Metal	Aluminum	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Aluminum	Total	<	2.1	µg/L	EPA 200.8	2.1	5			
2014/15-1	Lab	LCS	11/10/2014	Metal	Aluminum	Total	=	52.2	µg/L	EPA 200.8	2.1	5			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Aluminum	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/13/2014	Metal	Aluminum	Total	<	2.1	µg/L	EPA 200.8	2.1	5			
2014/15-1	Lab	LCS	11/13/2014	Metal	Aluminum	Total	=	49.3	µg/L	EPA 200.8	2.1	5			
2014/15-1	Lab	LCS, rec	11/13/2014	Metal	Aluminum	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Aluminum	Total	=	8030	µg/L	EPA 200.8	2.1	5			GB
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Aluminum	Total	=	516	%	EPA 200.8	-88	-88	70	130	GB
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Aluminum	Total	=	7920	µg/L	EPA 200.8	2.1	5			GB
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Aluminum	Total	=	294	%	EPA 200.8	-88	-88	70	130	GB
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Aluminum	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-MPK	matrix spike	11/13/2014	Metal	Aluminum	Total	=	9240	µg/L	EPA 200.8	10	25			GB
2014/15-1	MO-MPK	matrix spike, rec	11/13/2014	Metal	Aluminum	Total	=	298	%	EPA 200.8	-88	-88	70	130	GB
2014/15-1	MO-MPK	matrix spike dup	11/13/2014	Metal	Aluminum	Total	=	9210	µg/L	EPA 200.8	10	25			GB
2014/15-1	MO-MPK	matrix spike dup, rec	11/13/2014	Metal	Aluminum	Total	=	241	%	EPA 200.8	-88	-88	70	130	GB
2014/15-1	MO-MPK	matrix spike, RPD	11/13/2014	Metal	Aluminum	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Aluminum	Total	=	5240	µg/L	EPA 200.8	2.1	5			GB
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Aluminum	Total	=	401	%	EPA 200.8	-88	-88	70	130	GB
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Aluminum	Total	=	5280	µg/L	EPA 200.8	2.1	5			GB
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Aluminum	Total	=	474	%	EPA 200.8	-88	-88	70	130	GB
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Aluminum	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/13/2014	Metal	Aluminum	Total	=	3520	µg/L	EPA 200.8	2.1	5			GB
2014/15-1	MO-SIM	matrix spike, rec	11/13/2014	Metal	Aluminum	Total	=	346	%	EPA 200.8	-88	-88	70	130	GB
2014/15-1	MO-SIM	matrix spike dup	11/13/2014	Metal	Aluminum	Total	=	3560	µg/L	EPA 200.8	2.1	5			GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-SIM	matrix spike dup, rec	11/13/2014	Metal	Aluminum	Total	=	437	%	EPA 200.8	-88	-88	70	130	GB
2014/15-1	MO-SIM	matrix spike, RPD	11/13/2014	Metal	Aluminum	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Metal	Antimony	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	Lab	LCS	11/10/2014	Metal	Antimony	Dissolved	=	47.2	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Antimony	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Antimony	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	Lab	LCS	11/12/2014	Metal	Antimony	Dissolved	=	48.5	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Antimony	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Antimony	Total	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	Lab	LCS	11/10/2014	Metal	Antimony	Total	=	47.2	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Antimony	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Antimony	Total	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	Lab	LCS	11/12/2014	Metal	Antimony	Total	=	48.5	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Antimony	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Antimony	Total	=	40.4	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Antimony	Total	=	76	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Antimony	Total	=	39.5	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Antimony	Total	=	74	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-MPK	matrix spike	11/12/2014	Metal	Antimony	Total	=	36.7	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	MO-MPK	matrix spike, rec	11/12/2014	Metal	Antimony	Total	=	71	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/12/2014	Metal	Antimony	Total	=	35.9	µg/L	EPA 200.8	0.034	0.5			GB
2014/15-1	MO-MPK	matrix spike dup, rec	11/12/2014	Metal	Antimony	Total	=	69	%	EPA 200.8	-88	-88	70	130	GB
2014/15-1	MO-MPK	matrix spike, RPD	11/12/2014	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Antimony	Total	=	40.5	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Antimony	Total	=	78	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Antimony	Total	=	41.4	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Antimony	Total	=	80	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/12/2014	Metal	Antimony	Total	=	44.2	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	MO-SIM	matrix spike, rec	11/12/2014	Metal	Antimony	Total	=	83	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/12/2014	Metal	Antimony	Total	=	45	µg/L	EPA 200.8	0.034	0.5			
2014/15-1	MO-SIM	matrix spike dup, rec	11/12/2014	Metal	Antimony	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/12/2014	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Metal	Arsenic	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	Lab	LCS	11/10/2014	Metal	Arsenic	Dissolved	=	48.5	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Arsenic	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Arsenic	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	Lab	LCS	11/12/2014	Metal	Arsenic	Dissolved	=	49.2	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Arsenic	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Arsenic	Total	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	Lab	LCS	11/10/2014	Metal	Arsenic	Total	=	48.5	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Arsenic	Total	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	Lab	LCS	11/12/2014	Metal	Arsenic	Total	=	49.2	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Arsenic	Total	=	53	µg/L	EPA 200.8	0.13	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Arsenic	Total	=	52.1	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Arsenic	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Arsenic	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-MPK	matrix spike	11/12/2014	Metal	Arsenic	Total	=	53.9	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	MO-MPK	matrix spike, rec	11/12/2014	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/12/2014	Metal	Arsenic	Total	=	53.3	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	MO-MPK	matrix spike dup, rec	11/12/2014	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike, RPD	11/12/2014	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Arsenic	Total	=	51.4	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Arsenic	Total	=	51.6	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Arsenic	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/12/2014	Metal	Arsenic	Total	=	54.4	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	MO-SIM	matrix spike, rec	11/12/2014	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/12/2014	Metal	Arsenic	Total	=	54.2	µg/L	EPA 200.8	0.13	0.4			
2014/15-1	MO-SIM	matrix spike dup, rec	11/12/2014	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/12/2014	Metal	Arsenic	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Metal	Barium	Total	<	0.097	µg/L	EPA 200.8	0.097	0.5			
2014/15-1	Lab	LCS	11/10/2014	Metal	Barium	Total	=	48.3	µg/L	EPA 200.8	0.097	0.5			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Barium	Total	<	0.097	µg/L	EPA 200.8	0.097	0.5			
2014/15-1	Lab	LCS	11/12/2014	Metal	Barium	Total	=	48.3	µg/L	EPA 200.8	0.097	0.5			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Barium	Total	=	177	µg/L	EPA 200.8	0.097	0.5			
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Barium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Barium	Total	=	175	µg/L	EPA 200.8	0.097	0.5			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-MPK	matrix spike	11/12/2014	Metal	Barium	Total	=	185	µg/L	EPA 200.8	0.097	0.5			
2014/15-1	MO-MPK	matrix spike, rec	11/12/2014	Metal	Barium	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/12/2014	Metal	Barium	Total	=	183	µg/L	EPA 200.8	0.097	0.5			
2014/15-1	MO-MPK	matrix spike dup, rec	11/12/2014	Metal	Barium	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike, RPD	11/12/2014	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Barium	Total	=	153	µg/L	EPA 200.8	0.097	0.5			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Barium	Total	=	83	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Barium	Total	=	159	µg/L	EPA 200.8	0.097	0.5			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Barium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Barium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/12/2014	Metal	Barium	Total	=	126	µg/L	EPA 200.8	0.097	0.5			
2014/15-1	MO-SIM	matrix spike, rec	11/12/2014	Metal	Barium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/12/2014	Metal	Barium	Total	=	129	µg/L	EPA 200.8	0.097	0.5			
2014/15-1	MO-SIM	matrix spike dup, rec	11/12/2014	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/12/2014	Metal	Barium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Metal	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	Lab	LCS	11/10/2014	Metal	Beryllium	Dissolved	=	47.8	µg/L	EPA 200.8	0.015	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Beryllium	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	Lab	LCS	11/12/2014	Metal	Beryllium	Dissolved	=	48.8	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Beryllium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Beryllium	Total	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	Lab	LCS	11/10/2014	Metal	Beryllium	Total	=	47.8	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Beryllium	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Beryllium	Total	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	Lab	LCS	11/12/2014	Metal	Beryllium	Total	=	48.8	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Beryllium	Total	=	48.9	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Beryllium	Total	=	49.4	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Beryllium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-MPK	matrix spike	11/12/2014	Metal	Beryllium	Total	=	43.9	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	MO-MPK	matrix spike, rec	11/12/2014	Metal	Beryllium	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/12/2014	Metal	Beryllium	Total	=	44.3	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	MO-MPK	matrix spike dup, rec	11/12/2014	Metal	Beryllium	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike, RPD	11/12/2014	Metal	Beryllium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Beryllium	Total	=	48.7	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Beryllium	Total	=	49.3	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Beryllium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/12/2014	Metal	Beryllium	Total	=	42.7	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	MO-SIM	matrix spike, rec	11/12/2014	Metal	Beryllium	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/12/2014	Metal	Beryllium	Total	=	42.7	µg/L	EPA 200.8	0.015	0.1			
2014/15-1	MO-SIM	matrix spike dup, rec	11/12/2014	Metal	Beryllium	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/12/2014	Metal	Beryllium	Total	=	0.03	%	EPA 200.8	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Metal	Cadmium	Dissolved	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	Lab	LCS	11/10/2014	Metal	Cadmium	Dissolved	=	49.6	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Cadmium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Cadmium	Dissolved	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	Lab	LCS	11/12/2014	Metal	Cadmium	Dissolved	=	48.7	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Cadmium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Cadmium	Total	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	Lab	LCS	11/10/2014	Metal	Cadmium	Total	=	49.6	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Cadmium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Cadmium	Total	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	Lab	LCS	11/12/2014	Metal	Cadmium	Total	=	48.7	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Cadmium	Total	=	50.6	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Cadmium	Total	=	50.4	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Cadmium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Cadmium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-MPK	matrix spike	11/12/2014	Metal	Cadmium	Total	=	46.8	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	MO-MPK	matrix spike, rec	11/12/2014	Metal	Cadmium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/12/2014	Metal	Cadmium	Total	=	46.9	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	MO-MPK	matrix spike dup, rec	11/12/2014	Metal	Cadmium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike, RPD	11/12/2014	Metal	Cadmium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Cadmium	Total	=	49.5	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Cadmium	Total	=	49.4	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Cadmium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/12/2014	Metal	Cadmium	Total	=	47.8	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	MO-SIM	matrix spike, rec	11/12/2014	Metal	Cadmium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/12/2014	Metal	Cadmium	Total	=	48.7	µg/L	EPA 200.8	0.017	0.1			
2014/15-1	MO-SIM	matrix spike dup, rec	11/12/2014	Metal	Cadmium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/12/2014	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Metal	Chromium	Dissolved	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS	11/10/2014	Metal	Chromium	Dissolved	=	49.7	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Chromium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Chromium	Dissolved	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS	11/12/2014	Metal	Chromium	Dissolved	=	48.6	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Chromium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Chromium	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS	11/10/2014	Metal	Chromium	Total	=	49.7	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Chromium	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS	11/12/2014	Metal	Chromium	Total	=	48.6	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Chromium	Total	=	65.1	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Chromium	Total	=	63.8	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Chromium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-MPK	matrix spike	11/12/2014	Metal	Chromium	Total	=	67.8	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-MPK	matrix spike, rec	11/12/2014	Metal	Chromium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/12/2014	Metal	Chromium	Total	=	66.6	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-MPK	matrix spike dup, rec	11/12/2014	Metal	Chromium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike, RPD	11/12/2014	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Chromium	Total	=	56.4	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Chromium	Total	=	56.7	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Chromium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Chromium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/12/2014	Metal	Chromium	Total	=	61.4	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-SIM	matrix spike, rec	11/12/2014	Metal	Chromium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/12/2014	Metal	Chromium	Total	=	63.3	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-SIM	matrix spike dup, rec	11/12/2014	Metal	Chromium	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/12/2014	Metal	Chromium	Total	=	3	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	000NONPJ	matrix spike	11/4/2014	Metal	Chromium VI	n/a	=	5.02	µg/L	EPA 218.6	0.0048	0.3			
2014/15-1	000NONPJ	matrix spike dup	11/4/2014	Metal	Chromium VI	n/a	=	5.07	µg/L	EPA 218.6	0.0048	0.3			
2014/15-1	000NONPJ	matrix spike dup, rec	11/4/2014	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2014/15-1	000NONPJ	matrix spike, rec	11/4/2014	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	88	112	
2014/15-1	000NONPJ	matrix spike, RPD	11/4/2014	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2014/15-1	000NONPJ	matrix spike	11/5/2014	Metal	Chromium VI	n/a	=	6.6	µg/L	EPA 218.6	0.0048	0.3			
2014/15-1	000NONPJ	matrix spike	11/5/2014	Metal	Chromium VI	n/a	=	4.72	µg/L	EPA 218.6	0.0048	0.3			
2014/15-1	000NONPJ	matrix spike dup	11/5/2014	Metal	Chromium VI	n/a	=	6.6	µg/L	EPA 218.6	0.0048	0.3			
2014/15-1	000NONPJ	matrix spike dup	11/5/2014	Metal	Chromium VI	n/a	=	4.74	µg/L	EPA 218.6	0.0048	0.3			
2014/15-1	000NONPJ	matrix spike dup, rec	11/5/2014	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	88	112	
2014/15-1	000NONPJ	matrix spike dup, rec	11/5/2014	Metal	Chromium VI	n/a	=	95	%	EPA 218.6	-88	-88	88	112	
2014/15-1	000NONPJ	matrix spike, rec	11/5/2014	Metal	Chromium VI	n/a	=	98	%	EPA 218.6	-88	-88	88	112	
2014/15-1	000NONPJ	matrix spike, rec	11/5/2014	Metal	Chromium VI	n/a	=	94	%	EPA 218.6	-88	-88	88	112	
2014/15-1	000NONPJ	matrix spike, RPD	11/5/2014	Metal	Chromium VI	n/a	=	0.06	%	EPA 218.6	-88	-88	0	10	
2014/15-1	000NONPJ	matrix spike, RPD	11/5/2014	Metal	Chromium VI	n/a	=	0.3	%	EPA 218.6	-88	-88	0	10	
2014/15-1	Lab	LCS	11/4/2014	Metal	Chromium VI	n/a	=	4.93	µg/L	EPA 218.6	0.0048	0.3			
2014/15-1	Lab	LCS, rec	11/4/2014	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	90	110	
2014/15-1	Lab	method blank	11/4/2014	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.3			
2014/15-1	Lab	LCS	11/5/2014	Metal	Chromium VI	n/a	=	4.87	µg/L	EPA 218.6	0.0048	0.3			
2014/15-1	Lab	LCS, rec	11/5/2014	Metal	Chromium VI	n/a	=	97	%	EPA 218.6	-88	-88	90	110	
2014/15-1	Lab	method blank	11/5/2014	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.3			
2014/15-1	MO-OJA	matrix spike	11/4/2014	Metal	Chromium VI	n/a	=	5.25	µg/L	EPA 218.6	0.0048	0.3			
2014/15-1	MO-OJA	matrix spike dup	11/4/2014	Metal	Chromium VI	n/a	=	5.26	µg/L	EPA 218.6	0.0048	0.3			
2014/15-1	MO-OJA	matrix spike dup, rec	11/4/2014	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2014/15-1	MO-OJA	matrix spike, rec	11/4/2014	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2014/15-1	MO-OJA	matrix spike, RPD	11/4/2014	Metal	Chromium VI	n/a	=	0.2	%	EPA 218.6	-88	-88	0	10	
2014/15-1	Lab	method blank	11/10/2014	Metal	Copper	Dissolved	<	0.036	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	Lab	LCS	11/10/2014	Metal	Copper	Dissolved	=	49.9	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Copper	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/13/2014	Metal	Copper	Dissolved	<	0.036	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	Lab	LCS	11/13/2014	Metal	Copper	Dissolved	=	49.1	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	Lab	LCS, rec	11/13/2014	Metal	Copper	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Copper	Total	<	0.036	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	Lab	LCS	11/10/2014	Metal	Copper	Total	=	49.9	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Copper	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/13/2014	Metal	Copper	Total	<	0.036	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	Lab	LCS	11/13/2014	Metal	Copper	Total	=	49.1	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	Lab	LCS, rec	11/13/2014	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Copper	Total	=	124	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Copper	Total	=	123	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Copper	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Copper	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-MPK	matrix spike	11/13/2014	Metal	Copper	Total	=	75.8	µg/L	EPA 200.8	0.18	2.5			
2014/15-1	MO-MPK	matrix spike, rec	11/13/2014	Metal	Copper	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/13/2014	Metal	Copper	Total	=	74.9	µg/L	EPA 200.8	0.18	2.5			
2014/15-1	MO-MPK	matrix spike dup, rec	11/13/2014	Metal	Copper	Total	=	93	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-MPK	matrix spike, RPD	11/13/2014	Metal	Copper	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Copper	Total	=	230	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Copper	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Copper	Total	=	231	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Copper	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Copper	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/13/2014	Metal	Copper	Total	=	90	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	MO-SIM	matrix spike, rec	11/13/2014	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/13/2014	Metal	Copper	Total	=	90.6	µg/L	EPA 200.8	0.036	0.5			
2014/15-1	MO-SIM	matrix spike dup, rec	11/13/2014	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/13/2014	Metal	Copper	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-1	Lab	LCS	11/6/2014	Metal	Iron	Dissolved	=	186	µg/L	EPA 200.7	1.1	10			
2014/15-1	Lab	LCS, rec	11/6/2014	Metal	Iron	Dissolved	=	93	%	EPA 200.7	-88	-88	85	115	
2014/15-1	Lab	method blank	11/6/2014	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-1	Lab	LCS	11/6/2014	Metal	Iron	Dissolved	=	189	µg/L	EPA 200.7	1.1	10			
2014/15-1	Lab	LCS, rec	11/6/2014	Metal	Iron	Dissolved	=	95	%	EPA 200.7	-88	-88	85	115	
2014/15-1	Lab	method blank	11/6/2014	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-1	Lab	LCS	11/6/2014	Metal	Iron	Total	=	186	µg/L	EPA 200.7	1.1	10			
2014/15-1	Lab	LCS, rec	11/6/2014	Metal	Iron	Total	=	93	%	EPA 200.7	-88	-88	85	115	
2014/15-1	Lab	method blank	11/6/2014	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-1	Lab	LCS	11/6/2014	Metal	Iron	Total	=	189	µg/L	EPA 200.7	1.1	10			
2014/15-1	Lab	LCS, rec	11/6/2014	Metal	Iron	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2014/15-1	MO-HUE	matrix spike	11/6/2014	Metal	Iron	Total	=	6320	µg/L	EPA 200.7	1.1	10			GB
2014/15-1	MO-HUE	matrix spike, rec	11/6/2014	Metal	Iron	Total	=	159	%	EPA 200.7	-88	-88	70	130	GB
2014/15-1	MO-HUE	matrix spike dup	11/6/2014	Metal	Iron	Total	=	6140	µg/L	EPA 200.7	1.1	10			
2014/15-1	MO-HUE	matrix spike dup, rec	11/6/2014	Metal	Iron	Total	=	71	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-HUE	matrix spike, RPD	11/6/2014	Metal	Iron	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2014/15-1	MO-MEI	matrix spike	11/6/2014	Metal	Iron	Total	=	20800	µg/L	EPA 200.7	1.1	10			
2014/15-1	MO-MEI	matrix spike, rec	11/6/2014	Metal	Iron	Total	=	117	%	EPA 200.7	-88	-88	70	130	
2014/15-1	MO-MEI	matrix spike dup	11/6/2014	Metal	Iron	Total	=	19900	µg/L	EPA 200.7	1.1	10			GB
2014/15-1	MO-MEI	matrix spike dup, rec	11/6/2014	Metal	Iron	Total	=	-332	%	EPA 200.7	-88	-88	70	130	GB
2014/15-1	MO-MEI	matrix spike, RPD	11/6/2014	Metal	Iron	Total	=	4	%	EPA 200.7	-88	-88	0	30	
2014/15-1	MO-THO	matrix spike	11/6/2014	Metal	Iron	Total	=	4740	µg/L	EPA 200.7	1.1	10			GB
2014/15-1	MO-THO	matrix spike, rec	11/6/2014	Metal	Iron	Total	=	58	%	EPA 200.7	-88	-88	70	130	GB
2014/15-1	MO-THO	matrix spike dup	11/6/2014	Metal	Iron	Total	=	4930	µg/L	EPA 200.7	1.1	10			GB
2014/15-1	MO-THO	matrix spike dup, rec	11/6/2014	Metal	Iron	Total	=	153	%	EPA 200.7	-88	-88	70	130	GB
2014/15-1	MO-THO	matrix spike, RPD	11/6/2014	Metal	Iron	Total	=	4	%	EPA 200.7	-88	-88	0	30	
2014/15-1	MO-VEN	matrix spike	11/6/2014	Metal	Iron	Total	=	7590	µg/L	EPA 200.7	1.1	10			GB
2014/15-1	MO-VEN	matrix spike, rec	11/6/2014	Metal	Iron	Total	=	28	%	EPA 200.7	-88	-88	70	130	GB
2014/15-1	MO-VEN	matrix spike dup	11/6/2014	Metal	Iron	Total	=	7480	µg/L	EPA 200.7	1.1	10			GB
2014/15-1	MO-VEN	matrix spike dup, rec	11/6/2014	Metal	Iron	Total	=	-27	%	EPA 200.7	-88	-88	70	130	GB
2014/15-1	MO-VEN	matrix spike, RPD	11/6/2014	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Metal	Lead	Dissolved	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS	11/10/2014	Metal	Lead	Dissolved	=	48.9	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Lead	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Lead	Dissolved	<	0.024	µg/L	EPA 200.8	0.024	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS	11/12/2014	Metal	Lead	Dissolved	=	49.2	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Lead	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Lead	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS	11/10/2014	Metal	Lead	Total	=	48.9	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Lead	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS	11/12/2014	Metal	Lead	Total	=	49.2	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Lead	Total	=	67.6	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Lead	Total	=	66.5	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-MPK	matrix spike	11/12/2014	Metal	Lead	Total	=	55.1	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-MPK	matrix spike, rec	11/12/2014	Metal	Lead	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/12/2014	Metal	Lead	Total	=	54.8	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-MPK	matrix spike dup, rec	11/12/2014	Metal	Lead	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike, RPD	11/12/2014	Metal	Lead	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Lead	Total	=	58.8	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Lead	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Lead	Total	=	60	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/12/2014	Metal	Lead	Total	=	55.5	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-SIM	matrix spike, rec	11/12/2014	Metal	Lead	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/12/2014	Metal	Lead	Total	=	57	µg/L	EPA 200.8	0.024	0.2			
2014/15-1	MO-SIM	matrix spike dup, rec	11/12/2014	Metal	Lead	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/12/2014	Metal	Lead	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-1	Lab	LCS	11/6/2014	Metal	Mercury	Dissolved	=	967	ng/L	EPA 245.1	3.9	50			
2014/15-1	Lab	LCS, rec	11/6/2014	Metal	Mercury	Dissolved	=	97	%	EPA 245.1	-88	-88	85	115	
2014/15-1	Lab	method blank	11/6/2014	Metal	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-1	Lab	LCS	11/6/2014	Metal	Mercury	Dissolved	=	940	ng/L	EPA 245.1	3.9	50			
2014/15-1	Lab	LCS, rec	11/6/2014	Metal	Mercury	Dissolved	=	94	%	EPA 245.1	-88	-88	85	115	
2014/15-1	Lab	method blank	11/6/2014	Metal	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-1	000NONPJ	matrix spike	11/6/2014	Metal	Mercury	Total	=	1040	ng/L	EPA 245.1	3.9	50			
2014/15-1	000NONPJ	matrix spike, rec	11/6/2014	Metal	Mercury	Total	=	1020	ng/L	EPA 245.1	3.9	50			
2014/15-1	000NONPJ	matrix spike dup	11/6/2014	Metal	Mercury	Total	=	1020	ng/L	EPA 245.1	3.9	50			
2014/15-1	000NONPJ	matrix spike dup, rec	11/6/2014	Metal	Mercury	Total	=	1020	ng/L	EPA 245.1	3.9	50			
2014/15-1	000NONPJ	matrix spike, RPD	11/6/2014	Metal	Mercury	Total	=	102	%	EPA 245.1	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, rec	11/6/2014	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, rec	11/6/2014	Metal	Mercury	Total	=	104	%	EPA 245.1	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, rec	11/6/2014	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/6/2014	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2014/15-1	000NONPJ	matrix spike, RPD	11/6/2014	Metal	Mercury	Total	=	0	%	EPA 245.1	-88	-88	0	20	
2014/15-1	Lab	LCS	11/6/2014	Metal	Mercury	Total	=	967	ng/L	EPA 245.1	3.9	50			
2014/15-1	Lab	LCS, rec	11/6/2014	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	85	115	
2014/15-1	Lab	method blank	11/6/2014	Metal	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS	11/6/2014	Metal	Mercury	Total	=	940	ng/L	EPA 245.1	3.9	50			
2014/15-1	Lab	LCS, rec	11/6/2014	Metal	Mercury	Total	=	94	%	EPA 245.1	-88	-88	85	115	
2014/15-1	Lab	method blank	11/6/2014	Metal	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-1	ME-VR2	matrix spike	11/6/2014	Metal	Mercury	Total	=	1000	ng/L	EPA 245.1	3.9	50			
2014/15-1	ME-VR2	matrix spike dup	11/6/2014	Metal	Mercury	Total	=	998	ng/L	EPA 245.1	3.9	50			
2014/15-1	ME-VR2	matrix spike dup, rec	11/6/2014	Metal	Mercury	Total	=	99	%	EPA 245.1	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, rec	11/6/2014	Metal	Mercury	Total	=	100	%	EPA 245.1	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/6/2014	Metal	Mercury	Total	=	0.2	%	EPA 245.1	-88	-88	0	20	
2014/15-1	MO-FIL	matrix spike	11/6/2014	Metal	Mercury	Total	=	1420	ng/L	EPA 245.1	3.9	50			
2014/15-1	MO-FIL	matrix spike dup	11/6/2014	Metal	Mercury	Total	=	1480	ng/L	EPA 245.1	3.9	50			
2014/15-1	MO-FIL	matrix spike dup, rec	11/6/2014	Metal	Mercury	Total	=	73	%	EPA 245.1	-88	-88	70	130	
2014/15-1	MO-FIL	matrix spike, rec	11/6/2014	Metal	Mercury	Total	=	70	%	EPA 245.1	-88	-88	70	130	
2014/15-1	MO-FIL	matrix spike, RPD	11/6/2014	Metal	Mercury	Total	=	4	%	EPA 245.1	-88	-88	0	20	
2014/15-1	Lab	method blank	11/10/2014	Metal	Nickel	Dissolved	<	0.091	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	Lab	LCS	11/10/2014	Metal	Nickel	Dissolved	=	50	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Nickel	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Nickel	Dissolved	<	0.091	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	Lab	LCS	11/12/2014	Metal	Nickel	Dissolved	=	48.9	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Nickel	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Nickel	Total	<	0.091	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	Lab	LCS	11/10/2014	Metal	Nickel	Total	=	50	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Nickel	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Nickel	Total	<	0.091	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	Lab	LCS	11/12/2014	Metal	Nickel	Total	=	48.9	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Nickel	Total	=	72.4	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Nickel	Total	=	70.8	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Nickel	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-MPK	matrix spike	11/12/2014	Metal	Nickel	Total	=	68.4	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	MO-MPK	matrix spike, rec	11/12/2014	Metal	Nickel	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/12/2014	Metal	Nickel	Total	=	68	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	MO-MPK	matrix spike dup, rec	11/12/2014	Metal	Nickel	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike, RPD	11/12/2014	Metal	Nickel	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Nickel	Total	=	67.2	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Nickel	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Nickel	Total	=	67.3	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Nickel	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Nickel	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/12/2014	Metal	Nickel	Total	=	69.7	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	MO-SIM	matrix spike, rec	11/12/2014	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/12/2014	Metal	Nickel	Total	=	71.3	µg/L	EPA 200.8	0.091	0.8			
2014/15-1	MO-SIM	matrix spike dup, rec	11/12/2014	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/12/2014	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Metal	Selenium	Dissolved	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	Lab	LCS	11/10/2014	Metal	Selenium	Dissolved	=	49.6	µg/L	EPA 200.8	0.081	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Selenium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Selenium	Dissolved	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	Lab	LCS	11/12/2014	Metal	Selenium	Dissolved	=	49.3	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Selenium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Selenium	Total	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	Lab	LCS	11/10/2014	Metal	Selenium	Total	=	49.6	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Selenium	Total	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	Lab	LCS	11/12/2014	Metal	Selenium	Total	=	49.3	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Selenium	Total	=	49.6	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Selenium	Total	=	49.5	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Selenium	Total	=	0.07	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-MPK	matrix spike	11/12/2014	Metal	Selenium	Total	=	48.3	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	MO-MPK	matrix spike, rec	11/12/2014	Metal	Selenium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/12/2014	Metal	Selenium	Total	=	49	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	MO-MPK	matrix spike dup, rec	11/12/2014	Metal	Selenium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike, RPD	11/12/2014	Metal	Selenium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Selenium	Total	=	49.2	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Selenium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Selenium	Total	=	50	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/12/2014	Metal	Selenium	Total	=	51.6	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	MO-SIM	matrix spike, rec	11/12/2014	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/12/2014	Metal	Selenium	Total	=	53.5	µg/L	EPA 200.8	0.081	0.4			
2014/15-1	MO-SIM	matrix spike dup, rec	11/12/2014	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/12/2014	Metal	Selenium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Metal	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	Lab	LCS	11/10/2014	Metal	Silver	Dissolved	=	47.9	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Silver	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Silver	Dissolved	DNQ	0.0245	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	Lab	LCS	11/12/2014	Metal	Silver	Dissolved	=	47.4	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Silver	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Silver	Total	<	0.012	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	Lab	LCS	11/10/2014	Metal	Silver	Total	=	47.9	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Silver	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Silver	Total	DNQ	0.0211	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	Lab	LCS	11/12/2014	Metal	Silver	Total	=	47.4	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Silver	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Silver	Total	=	47.4	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Silver	Total	=	46.4	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-MPK	matrix spike	11/12/2014	Metal	Silver	Total	=	45.9	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	MO-MPK	matrix spike, rec	11/12/2014	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/12/2014	Metal	Silver	Total	=	45.2	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	MO-MPK	matrix spike dup, rec	11/12/2014	Metal	Silver	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike, RPD	11/12/2014	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Silver	Total	=	45.5	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Silver	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Silver	Total	=	46.5	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/12/2014	Metal	Silver	Total	=	45.5	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	MO-SIM	matrix spike, rec	11/12/2014	Metal	Silver	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/12/2014	Metal	Silver	Total	=	45.7	µg/L	EPA 200.8	0.012	0.2			
2014/15-1	MO-SIM	matrix spike dup, rec	11/12/2014	Metal	Silver	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/12/2014	Metal	Silver	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Metal	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	Lab	LCS	11/10/2014	Metal	Thallium	Dissolved	=	49.9	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Thallium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	Lab	LCS	11/12/2014	Metal	Thallium	Dissolved	=	47.9	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Thallium	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	Lab	LCS	11/10/2014	Metal	Thallium	Total	=	49.9	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	Lab	LCS	11/12/2014	Metal	Thallium	Total	=	47.9	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Thallium	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Thallium	Total	=	51	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Thallium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Thallium	Total	=	50.5	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-MPK	matrix spike	11/12/2014	Metal	Thallium	Total	=	43.8	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	MO-MPK	matrix spike, rec	11/12/2014	Metal	Thallium	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/12/2014	Metal	Thallium	Total	=	43.9	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	MO-MPK	matrix spike dup, rec	11/12/2014	Metal	Thallium	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike, RPD	11/12/2014	Metal	Thallium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Thallium	Total	=	48.7	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Thallium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Thallium	Total	=	51.1	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Thallium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Thallium	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/12/2014	Metal	Thallium	Total	=	44.9	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	MO-SIM	matrix spike, rec	11/12/2014	Metal	Thallium	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/12/2014	Metal	Thallium	Total	=	45.9	µg/L	EPA 200.8	0.034	0.2			
2014/15-1	MO-SIM	matrix spike dup, rec	11/12/2014	Metal	Thallium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/12/2014	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	method blank	11/10/2014	Metal	Zinc	Dissolved	DNQ	0.708	µg/L	EPA 200.8	0.5	5			
2014/15-1	Lab	LCS	11/10/2014	Metal	Zinc	Dissolved	=	50.1	µg/L	EPA 200.8	0.5	5			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Zinc	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Zinc	Dissolved	DNQ	0.761	µg/L	EPA 200.8	0.5	5			
2014/15-1	Lab	LCS	11/12/2014	Metal	Zinc	Dissolved	=	49.5	µg/L	EPA 200.8	0.5	5			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Zinc	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/10/2014	Metal	Zinc	Total	<	0.5	µg/L	EPA 200.8	0.5	5			
2014/15-1	Lab	LCS	11/10/2014	Metal	Zinc	Total	=	50.1	µg/L	EPA 200.8	0.5	5			
2014/15-1	Lab	LCS, rec	11/10/2014	Metal	Zinc	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-1	Lab	method blank	11/12/2014	Metal	Zinc	Total	<	0.5	µg/L	EPA 200.8	0.5	5			
2014/15-1	Lab	LCS	11/12/2014	Metal	Zinc	Total	=	49.5	µg/L	EPA 200.8	0.5	5			
2014/15-1	Lab	LCS, rec	11/12/2014	Metal	Zinc	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-1	MO-CAM	matrix spike	11/10/2014	Metal	Zinc	Total	=	469	µg/L	EPA 200.8	0.5	5			
2014/15-1	MO-CAM	matrix spike, rec	11/10/2014	Metal	Zinc	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike dup	11/10/2014	Metal	Zinc	Total	=	459	µg/L	EPA 200.8	0.5	5			
2014/15-1	MO-CAM	matrix spike dup, rec	11/10/2014	Metal	Zinc	Total	=	81	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-CAM	matrix spike, RPD	11/10/2014	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-MPK	matrix spike	11/12/2014	Metal	Zinc	Total	=	161	µg/L	EPA 200.8	0.5	5			
2014/15-1	MO-MPK	matrix spike, rec	11/12/2014	Metal	Zinc	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike dup	11/12/2014	Metal	Zinc	Total	=	161	µg/L	EPA 200.8	0.5	5			
2014/15-1	MO-MPK	matrix spike dup, rec	11/12/2014	Metal	Zinc	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-MPK	matrix spike, RPD	11/12/2014	Metal	Zinc	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-OJA	matrix spike	11/10/2014	Metal	Zinc	Total	=	297	µg/L	EPA 200.8	0.5	5			
2014/15-1	MO-OJA	matrix spike, rec	11/10/2014	Metal	Zinc	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike dup	11/10/2014	Metal	Zinc	Total	=	300	µg/L	EPA 200.8	0.5	5			
2014/15-1	MO-OJA	matrix spike dup, rec	11/10/2014	Metal	Zinc	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-OJA	matrix spike, RPD	11/10/2014	Metal	Zinc	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-1	MO-SIM	matrix spike	11/12/2014	Metal	Zinc	Total	=	236	µg/L	EPA 200.8	0.5	5			
2014/15-1	MO-SIM	matrix spike, rec	11/12/2014	Metal	Zinc	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike dup	11/12/2014	Metal	Zinc	Total	=	241	µg/L	EPA 200.8	0.5	5			
2014/15-1	MO-SIM	matrix spike dup, rec	11/12/2014	Metal	Zinc	Total	=	108	%	EPA 200.8	-88	-88	70	130	
2014/15-1	MO-SIM	matrix spike, RPD	11/12/2014	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-1	000NONPJ	lab duplicate	11/4/2014	Nutrient	Ammonia as N	n/a	=	0.369	mg/L	EPA 350.1	0.048	0.1		15	
2014/15-1	Lab	method blank	11/4/2014	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-1	Lab	LCS	11/4/2014	Nutrient	Ammonia as N	n/a	=	0.248	mg/L	EPA 350.1	0.048	0.1			
2014/15-1	Lab	LCS, rec	11/4/2014	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2014/15-1	Lab	LCS	11/4/2014	Nutrient	Ammonia as N	n/a	=	0.242	mg/L	EPA 350.1	0.048	0.1			
2014/15-1	Lab	LCS, rec	11/4/2014	Nutrient	Ammonia as N	n/a	=	97	%	EPA 350.1	-88	-88	90	110	
2014/15-1	Lab	method blank	11/4/2014	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-1	ME-VR2	matrix spike	11/4/2014	Nutrient	Ammonia as N	n/a	=	0.385	mg/L	EPA 350.1	0.048	0.1			
2014/15-1	ME-VR2	matrix spike dup	11/4/2014	Nutrient	Ammonia as N	n/a	=	0.388	mg/L	EPA 350.1	0.048	0.1			
2014/15-1	ME-VR2	matrix spike dup, rec	11/4/2014	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2014/15-1	ME-VR2	matrix spike, rec	11/4/2014	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2014/15-1	ME-VR2	matrix spike, RPD	11/4/2014	Nutrient	Ammonia as N	n/a	=	0.6	%	EPA 350.1	-88	-88	0	15	
2014/15-1	MO-THO	matrix spike	11/4/2014	Nutrient	Ammonia as N	n/a	=	2.22	mg/L	EPA 350.1	0.24	0.5			
2014/15-1	MO-THO	matrix spike, rec	11/4/2014	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2014/15-1	MO-THO	matrix spike dup	11/4/2014	Nutrient	Ammonia as N	n/a	=	2.23	mg/L	EPA 350.1	0.24	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-THO	matrix spike dup, rec	11/4/2014	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2014/15-1	MO-THO	matrix spike, RPD	11/4/2014	Nutrient	Ammonia as N	n/a	=	0.5	%	EPA 350.1	-88	-88	0	15	
2014/15-1	000NONPJ	matrix spike	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	3.96	mg/L	EPA 353.2	-88	-88	0.01	0.1	
2014/15-1	000NONPJ	matrix spike, rec	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	95	%	EPA 353.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike dup	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	4.14	mg/L	EPA 353.2	0.01	0.1			
2014/15-1	000NONPJ	matrix spike dup, rec	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, RPD	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	5	%	EPA 353.2	-88	-88	0	20	
2014/15-1	000NONPJ	lab duplicate	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2.02	mg/L	EPA 353.2	0.01	0.1		20	
2014/15-1	000NONPJ	matrix spike	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	11.6	mg/L	EPA 353.2	0.01	0.1			
2014/15-1	000NONPJ	matrix spike, rec	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	107	%	EPA 353.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	5.54	mg/L	EPA 353.2	0.01	0.1			
2014/15-1	000NONPJ	matrix spike, rec	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike dup	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	5.7	mg/L	EPA 353.2	0.01	0.1			
2014/15-1	000NONPJ	matrix spike dup, rec	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	108	%	EPA 353.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, RPD	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	3	%	EPA 353.2	-88	-88	0	20	
2014/15-1	000NONPJ	matrix spike dup	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	11.5	mg/L	EPA 353.2	0.01	0.1			
2014/15-1	000NONPJ	matrix spike dup, rec	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, RPD	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	0.9	%	EPA 353.2	-88	-88	0	20	
2014/15-1	Lab	method blank	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-1	Lab	LCS	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	1.09	mg/L	EPA 353.2	0.01	0.1			
2014/15-1	Lab	LCS, rec	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	109	%	EPA 353.2	-88	-88	90	110	
2014/15-1	Lab	method blank	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-1	Lab	LCS	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	1.06	mg/L	EPA 353.2	0.01	0.1			
2014/15-1	Lab	LCS, rec	11/3/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	106	%	EPA 353.2	-88	-88	90	110	
2014/15-1	ME-CC	matrix spike	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	10.4	mg/L	EPA 353.2	0.02	0.2			
2014/15-1	ME-CC	matrix spike, rec	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2014/15-1	ME-CC	matrix spike dup	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	9.73	mg/L	EPA 353.2	0.02	0.2			GB
2014/15-1	ME-CC	matrix spike dup, rec	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	85	%	EPA 353.2	-88	-88	90	110	GB
2014/15-1	ME-CC	matrix spike, RPD	11/2/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	6	%	EPA 353.2	-88	-88	0	20	
2014/15-1	000NONPJ	matrix spike	11/2/2014	Nutrient	Nitrate as N	n/a	=	3.96	mg/L	EPA 353.2	0.041	0.1			
2014/15-1	000NONPJ	matrix spike, rec	11/2/2014	Nutrient	Nitrate as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike dup	11/2/2014	Nutrient	Nitrate as N	n/a	=	4.14	mg/L	EPA 353.2	0.041	0.1			
2014/15-1	000NONPJ	matrix spike dup, rec	11/2/2014	Nutrient	Nitrate as N	n/a	=	107	%	EPA 353.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, RPD	11/2/2014	Nutrient	Nitrate as N	n/a	=	5	%	EPA 353.2	-88	-88	0	20	
2014/15-1	000NONPJ	lab duplicate	11/2/2014	Nutrient	Nitrate as N	n/a	=	1.97	mg/L	EPA 353.2	0.041	0.1		20	
2014/15-1	Lab	method blank	11/2/2014	Nutrient	Nitrate as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2014/15-1	Lab	LCS	11/2/2014	Nutrient	Nitrate as N	n/a	=	1.09	mg/L	EPA 353.2	0.041	0.1			
2014/15-1	Lab	LCS, rec	11/2/2014	Nutrient	Nitrate as N	n/a	=	109	%	EPA 353.2	-88	-88	90	110	
2014/15-1	ME-CC	matrix spike	11/2/2014	Nutrient	Nitrate as N	n/a	=	10.4	mg/L	EPA 353.2	0.082	0.2			
2014/15-1	ME-CC	matrix spike, rec	11/2/2014	Nutrient	Nitrate as N	n/a	=	103	%	EPA 353.2	-88	-88	90	110	
2014/15-1	ME-CC	matrix spike dup	11/2/2014	Nutrient	Nitrate as N	n/a	=	9.73	mg/L	EPA 353.2	0.082	0.2			GB
2014/15-1	ME-CC	matrix spike dup, rec	11/2/2014	Nutrient	Nitrate as N	n/a	=	87	%	EPA 353.2	-88	-88	90	110	GB
2014/15-1	ME-CC	matrix spike, RPD	11/2/2014	Nutrient	Nitrate as N	n/a	=	6	%	EPA 353.2	-88	-88	0	20	
2014/15-1	Lab	method blank	11/14/2014	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-1	Lab	LCS	11/14/2014	Nutrient	Phosphorus as P	Dissolved	=	0.0459	mg/L	EPA 365.1	0.0014	0.01			
2014/15-1	Lab	LCS, rec	11/14/2014	Nutrient	Phosphorus as P	Dissolved	=	92	%	EPA 365.1	-88	-88	90	110	
2014/15-1	Lab	LCS	11/21/2014	Nutrient	Phosphorus as P	Dissolved	=	0.0465	mg/L	EPA 365.1	0.0014	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, rec	11/21/2014	Nutrient	Phosphorus as P	Dissolved	=	93	%	EPA 365.1	-88	-88	90	110	
2014/15-1	Lab	method blank	11/21/2014	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-1	ME-VR2	matrix spike	11/14/2014	Nutrient	Phosphorus as P	Dissolved	=	0.39	mg/L	EPA 365.1	0.0056	0.04			GB
2014/15-1	ME-VR2	matrix spike, rec	11/14/2014	Nutrient	Phosphorus as P	Dissolved	=	113	%	EPA 365.1	-88	-88	90	110	GB
2014/15-1	ME-VR2	matrix spike dup	11/14/2014	Nutrient	Phosphorus as P	Dissolved	=	0.385	mg/L	EPA 365.1	0.0056	0.04			
2014/15-1	ME-VR2	matrix spike dup, rec	11/14/2014	Nutrient	Phosphorus as P	Dissolved	=	102	%	EPA 365.1	-88	-88	90	110	
2014/15-1	ME-VR2	matrix spike, RPD	11/14/2014	Nutrient	Phosphorus as P	Dissolved	=	1	%	EPA 365.1	-88	-88	0	20	
2014/15-1	MO-THO	matrix spike	11/20/2014	Nutrient	Phosphorus as P	Dissolved	=	0.516	mg/L	EPA 365.1	0.0056	0.04			
2014/15-1	MO-THO	matrix spike dup	11/20/2014	Nutrient	Phosphorus as P	Dissolved	=	0.516	mg/L	EPA 365.1	0.0056	0.04			
2014/15-1	MO-THO	matrix spike dup, rec	11/20/2014	Nutrient	Phosphorus as P	Dissolved	=	96	%	EPA 365.1	-88	-88	90	110	
2014/15-1	MO-THO	matrix spike, rec	11/20/2014	Nutrient	Phosphorus as P	Dissolved	=	96	%	EPA 365.1	-88	-88	90	110	
2014/15-1	MO-THO	matrix spike, RPD	11/20/2014	Nutrient	Phosphorus as P	Dissolved	=	0	%	EPA 365.1	-88	-88	0	20	
2014/15-1	000NONPJ	matrix spike	11/7/2014	Nutrient	Phosphorus as P	Total	=	0.338	mg/L	EPA 365.1	0.0028	0.02			
2014/15-1	000NONPJ	matrix spike, rec	11/7/2014	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike dup	11/7/2014	Nutrient	Phosphorus as P	Total	=	0.336	mg/L	EPA 365.1	0.0028	0.02			
2014/15-1	000NONPJ	matrix spike dup, rec	11/7/2014	Nutrient	Phosphorus as P	Total	=	96	%	EPA 365.1	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, RPD	11/7/2014	Nutrient	Phosphorus as P	Total	=	0.6	%	EPA 365.1	-88	-88	0	20	
2014/15-1	Lab	method blank	11/7/2014	Nutrient	Phosphorus as P	Total	DNQ	0.0024	mg/L	EPA 365.1	0.0014	0.01			
2014/15-1	Lab	LCS	11/7/2014	Nutrient	Phosphorus as P	Total	=	0.0475	mg/L	EPA 365.1	0.0014	0.01			
2014/15-1	Lab	LCS, rec	11/7/2014	Nutrient	Phosphorus as P	Total	=	95	%	EPA 365.1	-88	-88	90	110	
2014/15-1	ME-VR2	matrix spike	11/7/2014	Nutrient	Phosphorus as P	Total	=	0.416	mg/L	EPA 365.1	0.0056	0.04			
2014/15-1	ME-VR2	matrix spike, rec	11/7/2014	Nutrient	Phosphorus as P	Total	=	98	%	EPA 365.1	-88	-88	90	110	
2014/15-1	ME-VR2	matrix spike dup	11/7/2014	Nutrient	Phosphorus as P	Total	=	0.436	mg/L	EPA 365.1	0.0056	0.04			GB
2014/15-1	ME-VR2	matrix spike dup, rec	11/7/2014	Nutrient	Phosphorus as P	Total	=	138	%	EPA 365.1	-88	-88	90	110	GB
2014/15-1	ME-VR2	matrix spike, RPD	11/7/2014	Nutrient	Phosphorus as P	Total	=	5	%	EPA 365.1	-88	-88	0	20	
2014/15-1	MO-HUE	lab duplicate	11/11/2014	Nutrient	Phosphorus as P	Total	=	0.658	mg/L	EPA 365.1	0.014	0.1		20	
2014/15-1	000NONPJ	matrix spike	11/5/2014	Nutrient	TKN	n/a	=	2.98	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	000NONPJ	matrix spike dup	11/5/2014	Nutrient	TKN	n/a	=	3.06	mg/L	EPA 351.2	0.05	0.1			GB
2014/15-1	000NONPJ	matrix spike dup, rec	11/5/2014	Nutrient	TKN	n/a	=	117	%	EPA 351.2	-88	-88	90	110	GB
2014/15-1	000NONPJ	matrix spike, rec	11/5/2014	Nutrient	TKN	n/a	=	109	%	EPA 351.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, RPD	11/5/2014	Nutrient	TKN	n/a	=	3	%	EPA 351.2	-88	-88	0	10	
2014/15-1	000NONPJ	lab duplicate	11/12/2014	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1		10	
2014/15-1	000NONPJ	matrix spike	11/12/2014	Nutrient	TKN	n/a	=	0.973	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	000NONPJ	matrix spike	11/12/2014	Nutrient	TKN	n/a	=	3.1	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	000NONPJ	matrix spike dup	11/12/2014	Nutrient	TKN	n/a	=	0.97	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	000NONPJ	matrix spike dup	11/12/2014	Nutrient	TKN	n/a	=	3.1	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	000NONPJ	matrix spike dup, rec	11/12/2014	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike dup, rec	11/12/2014	Nutrient	TKN	n/a	=	96	%	EPA 351.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, rec	11/12/2014	Nutrient	TKN	n/a	=	96	%	EPA 351.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, RPD	11/12/2014	Nutrient	TKN	n/a	=	0.02	%	EPA 351.2	-88	-88	0	10	
2014/15-1	000NONPJ	matrix spike, RPD	11/12/2014	Nutrient	TKN	n/a	=	0.3	%	EPA 351.2	-88	-88	0	10	
2014/15-1	000NONPJ	matrix spike	11/17/2014	Nutrient	TKN	n/a	=	1.28	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	000NONPJ	matrix spike	11/17/2014	Nutrient	TKN	n/a	=	1.1	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	000NONPJ	matrix spike dup	11/17/2014	Nutrient	TKN	n/a	=	1.28	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	000NONPJ	matrix spike dup	11/17/2014	Nutrient	TKN	n/a	=	1.04	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	000NONPJ	matrix spike dup, rec	11/17/2014	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	000NONPJ	matrix spike dup, rec	11/17/2014	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, rec	11/17/2014	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, rec	11/17/2014	Nutrient	TKN	n/a	=	110	%	EPA 351.2	-88	-88	90	110	
2014/15-1	000NONPJ	matrix spike, RPD	11/17/2014	Nutrient	TKN	n/a	=	0.2	%	EPA 351.2	-88	-88	0	10	
2014/15-1	000NONPJ	matrix spike, RPD	11/17/2014	Nutrient	TKN	n/a	=	6	%	EPA 351.2	-88	-88	0	10	
2014/15-1	Lab	LCS	11/5/2014	Nutrient	TKN	n/a	=	0.933	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	Lab	LCS, rec	11/5/2014	Nutrient	TKN	n/a	=	93	%	EPA 351.2	-88	-88	90	110	
2014/15-1	Lab	method blank	11/5/2014	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	Lab	LCS	11/12/2014	Nutrient	TKN	n/a	=	0.97	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	Lab	LCS	11/12/2014	Nutrient	TKN	n/a	=	0.957	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	Lab	LCS, rec	11/12/2014	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2014/15-1	Lab	LCS, rec	11/12/2014	Nutrient	TKN	n/a	=	96	%	EPA 351.2	-88	-88	90	110	
2014/15-1	Lab	method blank	11/12/2014	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	Lab	method blank	11/12/2014	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	Lab	LCS	11/17/2014	Nutrient	TKN	n/a	=	1.04	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	Lab	LCS	11/17/2014	Nutrient	TKN	n/a	=	1.02	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	Lab	LCS, rec	11/17/2014	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2014/15-1	Lab	LCS, rec	11/17/2014	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2014/15-1	Lab	method blank	11/17/2014	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	Lab	method blank	11/17/2014	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-1	Lab	method blank	11/10/2014	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	16.3	µg/L	EPA 625	0.55	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	65	%	EPA 625	-88	-88	44	142	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	18.7	µg/L	EPA 625	0.55	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	44	142	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	1,2-Dichlorobenzene	n/a	=	16.5	µg/L	EPA 625	0.57	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	1,2-Dichlorobenzene	n/a	=	66	%	EPA 625	-88	-88	32	129	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	1,2-Dichlorobenzene	n/a	=	19.1	µg/L	EPA 625	0.57	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	1,2-Dichlorobenzene	n/a	=	76	%	EPA 625	-88	-88	32	129	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	1,2-Dichlorobenzene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	srgt LCS	11/4/2014	Organic	1,2-Dichloroethane-d4	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/4/2014	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2014/15-1	Lab	srgt LCS dup	11/4/2014	Organic	1,2-Dichloroethane-d4	n/a	=	48.4	µg/L	EPA 624	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/4/2014	Organic	1,2-Dichloroethane-d4	n/a	=	97	%	EPA 624	-88	-88	82	125	
2014/15-1	Lab	srgt method blank	11/4/2014	Organic	1,2-Dichloroethane-d4	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/4/2014	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2014/15-1	ME-CC	srgt environ	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2014/15-1	ME-CC	srgt matrix spike	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2014/15-1	ME-CC	srgt matrix spike, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2014/15-1	ME-CC	srgt matrix spike dup	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	47.9	µg/L	EPA 624	-88	-88			
2014/15-1	ME-CC	srgt matrix spike dup, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2014/15-1	ME-VR2	srgt environ	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2014/15-1	MO-CAM	srgt environ	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	51.5	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-CAM	srgt environ, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2014/15-1	MO-FIL	srgt environ	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	49.1	µg/L	EPA 624	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	98	%	EPA 624	-88	-88	82	125	
2014/15-1	MO-HUE	srgt environ	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	53.2	µg/L	EPA 624	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	106	%	EPA 624	-88	-88	82	125	
2014/15-1	MO-MEI	srgt environ	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2014/15-1	MO-MPK	srgt environ	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	49.5	µg/L	EPA 624	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2014/15-1	MO-OJA	srgt environ	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	48.7	µg/L	EPA 624	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	97	%	EPA 624	-88	-88	82	125	
2014/15-1	MO-OXN	srgt environ	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	49	µg/L	EPA 624	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	98	%	EPA 624	-88	-88	82	125	
2014/15-1	MO-SIM	srgt environ	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2014/15-1	MO-THO	srgt field duplicate	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	52.9	µg/L	EPA 624	-88	-88			
2014/15-1	MO-THO	srgt field duplicate, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	106	%	EPA 624	-88	-88	82	125	
2014/15-1	MO-THO	srgt environ	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2014/15-1	MO-VEN	srgt environ	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	51.6	µg/L	EPA 624	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/5/2014	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2014/15-1	Lab	method blank	11/10/2014	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-1	Lab	method blank	11/10/2014	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	1,3-Dichlorobenzene	n/a	=	15.2	µg/L	EPA 625	0.53	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	1,3-Dichlorobenzene	n/a	=	61	%	EPA 625	-88	-88	0.1	172	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	1,3-Dichlorobenzene	n/a	=	17.1	µg/L	EPA 625	0.53	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	1,3-Dichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	0.1	172	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	1,3-Dichlorobenzene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-1	000NONPJ	srgt matrix spike	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.469	µg/L	EPA 525.2m	-88	-88			
2014/15-1	000NONPJ	srgt matrix spike, rec	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	000NONPJ	srgt matrix spike dup	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.471	µg/L	EPA 525.2m	-88	-88			
2014/15-1	000NONPJ	srgt matrix spike dup, rec	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	000NONPJ	srgt matrix spike	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.437	µg/L	EPA 525.2m	-88	-88			
2014/15-1	000NONPJ	srgt matrix spike, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	87	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	000NONPJ	srgt matrix spike dup	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.491	µg/L	EPA 525.2m	-88	-88			
2014/15-1	000NONPJ	srgt matrix spike dup, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	Lab	srgt method blank	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.02	µg/L	EPA 525.2	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2014/15-1	Lab	srgt LCS	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.01	µg/L	EPA 525.2	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2014/15-1	Lab	srgt LCS dup	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.08	µg/L	EPA 525.2	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	73	138	
2014/15-1	Lab	srgt method blank	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.424	µg/L	EPA 525.2m	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	Lab	srgt LCS	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.467	µg/L	EPA 525.2m	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	Lab	srgt method blank	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.446	µg/L	EPA 525.2m	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	srgt method blank, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	Lab	srgt LCS	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.451	µg/L	EPA 525.2m	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	ME-CC	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	6.05	µg/L	EPA 525.2	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	121	%	EPA 525.2	-88	-88	73	138	
2014/15-1	ME-CC	srgt environ	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.448	µg/L	EPA 525.2m	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	ME-VR2	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.13	µg/L	EPA 525.2	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	73	138	
2014/15-1	ME-VR2	srgt environ	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.438	µg/L	EPA 525.2m	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	88	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	MO-CAM	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.36	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2	-88	-88	73	138	
2014/15-1	MO-CAM	srgt environ	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.476	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	MO-FIL	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.3	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2	-88	-88	73	138	
2014/15-1	MO-FIL	srgt environ	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.462	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	MO-HUE	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.3	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2	-88	-88	73	138	
2014/15-1	MO-HUE	srgt environ	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.443	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	MO-MEI	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.93	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2	-88	-88	73	138	
2014/15-1	MO-MEI	srgt environ	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.459	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	MO-MPK	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.5	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2	-88	-88	73	138	
2014/15-1	MO-MPK	srgt environ	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.458	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	MO-OJA	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.09	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2	-88	-88	73	138	
2014/15-1	MO-OJA	srgt environ	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.446	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	MO-OXN	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.86	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2	-88	-88	73	138	
2014/15-1	MO-OXN	srgt environ	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.436	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	87	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	MO-SIM	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.95	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2	-88	-88	73	138	
2014/15-1	MO-SIM	srgt environ	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.458	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/19/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	MO-SPA	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.92	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2	-88	-88	73	138	
2014/15-1	MO-SPA	srgt environ	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.42	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	84	%	EPA 525.2m	-88	-88	76	128	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-THO	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.13	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2	-88	-88	73	138	
2014/15-1	MO-THO	srgt environ	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.45	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	MO-VEN	srgt environ	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.94	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/6/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2	-88	-88	73	138	
2014/15-1	MO-VEN	srgt environ	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.448	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2014/15-1	Lab	method blank	11/10/2014	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	1,4-Dichlorobenzene	n/a	=	16.7	µg/L	EPA 625	0.55	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	1,4-Dichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	20	124	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	1,4-Dichlorobenzene	n/a	=	18.8	µg/L	EPA 625	0.55	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	1,4-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	20	124	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	1,4-Dichlorobenzene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	method blank	11/12/2014	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1			
2014/15-1	Lab	srgt method blank	11/10/2014	Organic	2,4,6-Tribromophenol	n/a	=	41.6	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/10/2014	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625	-88	-88	25	102	
2014/15-1	Lab	srgt LCS	11/10/2014	Organic	2,4,6-Tribromophenol	n/a	=	40	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/10/2014	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 625	-88	-88	25	102	
2014/15-1	Lab	srgt LCS dup	11/10/2014	Organic	2,4,6-Tribromophenol	n/a	=	43.5	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/10/2014	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 625	-88	-88	25	102	
2014/15-1	Lab	srgt method blank	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	7.49	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	Lab	srgt LCS	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	8.44	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	Lab	srgt LCS dup	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	8.37	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	ME-CC	srgt environ	11/10/2014	Organic	2,4,6-Tribromophenol	n/a	=	26.7	µg/L	EPA 625	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/10/2014	Organic	2,4,6-Tribromophenol	n/a	=	53	%	EPA 625	-88	-88	25	102	
2014/15-1	ME-CC	srgt environ	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	6.95	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	ME-VR2	srgt environ	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	45.9	µg/L	EPA 625	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	92	%	EPA 625	-88	-88	25	102	
2014/15-1	ME-VR2	srgt environ	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	8.83	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	93	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	MO-CAM	srgt environ	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	41.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625	-88	-88	25	102	
2014/15-1	MO-CAM	srgt environ	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	8.66	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	MO-FIL	srgt environ	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	42	µg/L	EPA 625	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 625	-88	-88	25	102	
2014/15-1	MO-FIL	srgt environ	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	8.78	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	MO-HUE	srgt environ	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	41.9	µg/L	EPA 625	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 625	-88	-88	25	102	
2014/15-1	MO-HUE	srgt environ	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	9.67	µg/L	EPA 8270Cm	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-HUE	srgt environ, rec	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	102	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	MO-MEI	srgt environ	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	36.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2014/15-1	MO-MEI	srgt environ	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	8.27	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	MO-MPK	srgt environ	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	36.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2014/15-1	MO-MPK	srgt environ	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	5.98	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	60	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	MO-OJA	srgt environ	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	40.2	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 625	-88	-88	25	102	
2014/15-1	MO-OJA	srgt environ	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	8	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	MO-OXN	srgt environ	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	42.8	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	86	%	EPA 625	-88	-88	25	102	
2014/15-1	MO-OXN	srgt environ	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	9.9	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	99	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	MO-SIM	srgt environ	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	40.4	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 625	-88	-88	25	102	
2014/15-1	MO-SIM	srgt environ	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	9.51	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	95	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	MO-SPA	srgt environ	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	39.1	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 625	-88	-88	25	102	
2014/15-1	MO-SPA	srgt environ	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	8.69	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	MO-THO	srgt environ	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	42.8	µg/L	EPA 625	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	86	%	EPA 625	-88	-88	25	102	
2014/15-1	MO-THO	srgt environ	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	8.29	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/13/2014	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	MO-VEN	srgt environ	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	40.2	µg/L	EPA 625	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 625	-88	-88	25	102	
2014/15-1	MO-VEN	srgt environ	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	8.99	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/12/2014	Organic	2,4,6-Tribromophenol	n/a	=	90	%	EPA 8270Cm	-88	-88	26	117	
2014/15-1	Lab	method blank	11/10/2014	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	2,4,6-Trichlorophenol	n/a	=	18.4	µg/L	EPA 625	0.22	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	2,4,6-Trichlorophenol	n/a	=	73	%	EPA 625	-88	-88	37	144	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	2,4,6-Trichlorophenol	n/a	=	20.8	µg/L	EPA 625	0.22	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	2,4,6-Trichlorophenol	n/a	=	83	%	EPA 625	-88	-88	37	144	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	2,4,6-Trichlorophenol	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-1	Lab	LCS	11/12/2014	Organic	2,4,6-Trichlorophenol	n/a	=	8.69	µg/L	EPA 8270Cm	0.3	1			
2014/15-1	Lab	LCS, rec	11/12/2014	Organic	2,4,6-Trichlorophenol	n/a	=	87	%	EPA 8270Cm	-88	-88	30	115	
2014/15-1	Lab	LCS dup	11/12/2014	Organic	2,4,6-Trichlorophenol	n/a	=	9.02	µg/L	EPA 8270Cm	0.3	1			
2014/15-1	Lab	LCS dup, rec	11/12/2014	Organic	2,4,6-Trichlorophenol	n/a	=	90	%	EPA 8270Cm	-88	-88	30	115	
2014/15-1	Lab	LCS, RPD	11/12/2014	Organic	2,4,6-Trichlorophenol	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	2,4-Dichlorophenol	n/a	=	17.3	µg/L	EPA 625	0.26	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	2,4-Dichlorophenol	n/a	=	69	%	EPA 625	-88	-88	39	135	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	2,4-Dichlorophenol	n/a	=	19.6	µg/L	EPA 625	0.26	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	2,4-Dichlorophenol	n/a	=	78	%	EPA 625	-88	-88	39	135	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	2,4-Dichlorophenol	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1			
2014/15-1	Lab	LCS	11/12/2014	Organic	2,4-Dichlorophenol	n/a	=	7.44	µg/L	EPA 8270Cm	0.51	1			
2014/15-1	Lab	LCS, rec	11/12/2014	Organic	2,4-Dichlorophenol	n/a	=	74	%	EPA 8270Cm	-88	-88	32	105	
2014/15-1	Lab	LCS dup	11/12/2014	Organic	2,4-Dichlorophenol	n/a	=	7.97	µg/L	EPA 8270Cm	0.51	1			
2014/15-1	Lab	LCS dup, rec	11/12/2014	Organic	2,4-Dichlorophenol	n/a	=	80	%	EPA 8270Cm	-88	-88	32	105	
2014/15-1	Lab	LCS, RPD	11/12/2014	Organic	2,4-Dichlorophenol	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	000NONPJ	srgt matrix spike	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.78	µg/L	EPA 515.3	-88	-88			
2014/15-1	000NONPJ	srgt matrix spike, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	srgt matrix spike dup	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.85	µg/L	EPA 515.3	-88	-88			
2014/15-1	000NONPJ	srgt matrix spike dup, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-1	RC pipe at MPK -	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.97	µg/L	EPA 515.3	-88	-88			
2014/15-1	RC pipe at MPK -	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-1	Lab	srgt method blank	11/12/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/12/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2014/15-1	Lab	srgt LCS	11/12/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.5	µg/L	EPA 515.3	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/12/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-CC	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.88	µg/L	EPA 515.3	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	srgt matrix spike	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.65	µg/L	EPA 515.3	-88	-88			
2014/15-1	ME-VR2	srgt matrix spike, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	srgt matrix spike dup	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.76	µg/L	EPA 515.3	-88	-88			
2014/15-1	ME-VR2	srgt matrix spike dup, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.9	µg/L	EPA 515.3	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-1	MO-CAM	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-1	MO-FIL	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10	µg/L	EPA 515.3	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-1	MO-HUE	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-1	MO-MEI	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.58	µg/L	EPA 515.3	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-1	MO-MPK	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2014/15-1	-MPK Upstream at	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2014/15-1	-MPK Upstream at	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2014/15-1	MO-OJA	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.3	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-1	MO-OXN	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.2	µg/L	EPA 515.3	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2014/15-1	MO-SIM	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2014/15-1	MO-SPA	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.68	µg/L	EPA 515.3	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-SPA	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-1	MO-THO	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.93	µg/L	EPA 515.3	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-1	MO-VEN	srgt environ	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/13/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-1	Lab	method blank	11/10/2014	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	2,4-Dimethylphenol	n/a	=	10.9	µg/L	EPA 625	0.3	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	2,4-Dimethylphenol	n/a	=	43	%	EPA 625	-88	-88	32	119	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	2,4-Dimethylphenol	n/a	=	10.9	µg/L	EPA 625	0.3	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	2,4-Dimethylphenol	n/a	=	43	%	EPA 625	-88	-88	32	119	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	2,4-Dimethylphenol	n/a	=	0	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-1	Lab	LCS	11/12/2014	Organic	2,4-Dimethylphenol	n/a	=	3.6	µg/L	EPA 8270Cm	1	2			
2014/15-1	Lab	LCS, rec	11/12/2014	Organic	2,4-Dimethylphenol	n/a	=	36	%	EPA 8270Cm	-88	-88	31	97	
2014/15-1	Lab	LCS dup	11/12/2014	Organic	2,4-Dimethylphenol	n/a	=	4.47	µg/L	EPA 8270Cm	1	2			
2014/15-1	Lab	LCS dup, rec	11/12/2014	Organic	2,4-Dimethylphenol	n/a	=	45	%	EPA 8270Cm	-88	-88	31	97	
2014/15-1	Lab	LCS, RPD	11/12/2014	Organic	2,4-Dimethylphenol	n/a	=	22	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-1	Lab	LCS	11/10/2014	Organic	2,4-Dinitrophenol	n/a	=	21.4	µg/L	EPA 625	1.6	10			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	2,4-Dinitrophenol	n/a	=	86	%	EPA 625	-88	-88	0.1	191	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	2,4-Dinitrophenol	n/a	=	22.7	µg/L	EPA 625	1.6	10			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	2,4-Dinitrophenol	n/a	=	91	%	EPA 625	-88	-88	0.1	191	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	2,4-Dinitrophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-1	Lab	LCS	11/12/2014	Organic	2,4-Dinitrophenol	n/a	=	9.73	µg/L	EPA 8270Cm	1	2			
2014/15-1	Lab	LCS, rec	11/12/2014	Organic	2,4-Dinitrophenol	n/a	=	97	%	EPA 8270Cm	-88	-88	7	155	
2014/15-1	Lab	LCS dup	11/12/2014	Organic	2,4-Dinitrophenol	n/a	=	9.35	µg/L	EPA 8270Cm	1	2			
2014/15-1	Lab	LCS dup, rec	11/12/2014	Organic	2,4-Dinitrophenol	n/a	=	94	%	EPA 8270Cm	-88	-88	7	155	
2014/15-1	Lab	LCS, RPD	11/12/2014	Organic	2,4-Dinitrophenol	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	2,4-Dinitrotoluene	n/a	=	21.2	µg/L	EPA 625	0.18	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	2,4-Dinitrotoluene	n/a	=	85	%	EPA 625	-88	-88	39	139	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	2,4-Dinitrotoluene	n/a	=	23	µg/L	EPA 625	0.18	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	2,4-Dinitrotoluene	n/a	=	92	%	EPA 625	-88	-88	39	139	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	2,4-Dinitrotoluene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	2,6-Dinitrotoluene	n/a	=	19.1	µg/L	EPA 625	0.27	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	2,6-Dinitrotoluene	n/a	=	76	%	EPA 625	-88	-88	50	158	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	2,6-Dinitrotoluene	n/a	=	21.5	µg/L	EPA 625	0.27	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	2,6-Dinitrotoluene	n/a	=	86	%	EPA 625	-88	-88	50	158	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	2,6-Dinitrotoluene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	LCS	11/4/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	41.1	µg/L	EPA 624	0.28	1			
2014/15-1	Lab	LCS, rec	11/4/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	82	%	EPA 624	-88	-88	0.1	305	
2014/15-1	Lab	LCS dup	11/4/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	48.4	µg/L	EPA 624	0.28	1			
2014/15-1	Lab	LCS dup, rec	11/4/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	97	%	EPA 624	-88	-88	0.1	305	
2014/15-1	Lab	LCS, RPD	11/4/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	16	%	EPA 624	-88	-88	0	25	
2014/15-1	Lab	method blank	11/4/2014	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	ME-CC	matrix spike	11/5/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	41	µg/L	EPA 624	0.28	1			
2014/15-1	ME-CC	matrix spike, rec	11/5/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	82	%	EPA 624	-88	-88	0.1	305	
2014/15-1	ME-CC	matrix spike dup	11/5/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	45	µg/L	EPA 624	0.28	1			
2014/15-1	ME-CC	matrix spike dup, rec	11/5/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	90	%	EPA 624	-88	-88	0.1	305	
2014/15-1	ME-CC	matrix spike, RPD	11/5/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	9	%	EPA 624	-88	-88	0	25	
2014/15-1	MO-THO	field duplicate	11/5/2014	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2014/15-1	Lab	method blank	11/10/2014	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	2-Chloronaphthalene	n/a	=	17.6	µg/L	EPA 625	0.45	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	2-Chloronaphthalene	n/a	=	70	%	EPA 625	-88	-88	60	118	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	2-Chloronaphthalene	n/a	=	20.2	µg/L	EPA 625	0.45	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	2-Chloronaphthalene	n/a	=	81	%	EPA 625	-88	-88	60	118	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	2-Chloronaphthalene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	2-Chlorophenol	n/a	=	15	µg/L	EPA 625	0.28	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	2-Chlorophenol	n/a	=	60	%	EPA 625	-88	-88	23	134	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	2-Chlorophenol	n/a	=	17	µg/L	EPA 625	0.28	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	2-Chlorophenol	n/a	=	68	%	EPA 625	-88	-88	23	134	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	2-Chlorophenol	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1			
2014/15-1	Lab	LCS	11/12/2014	Organic	2-Chlorophenol	n/a	=	6.56	µg/L	EPA 8270Cm	0.65	1			
2014/15-1	Lab	LCS, rec	11/12/2014	Organic	2-Chlorophenol	n/a	=	66	%	EPA 8270Cm	-88	-88	27	90	
2014/15-1	Lab	LCS dup	11/12/2014	Organic	2-Chlorophenol	n/a	=	7.1	µg/L	EPA 8270Cm	0.65	1			
2014/15-1	Lab	LCS dup, rec	11/12/2014	Organic	2-Chlorophenol	n/a	=	71	%	EPA 8270Cm	-88	-88	27	90	
2014/15-1	Lab	LCS, RPD	11/12/2014	Organic	2-Chlorophenol	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	srgt method blank	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	3.55	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	Lab	srgt LCS	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	3.28	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	Lab	srgt LCS dup	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	3.44	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	Lab	srgt method blank	11/10/2014	Organic	2-Fluorobiphenyl	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/10/2014	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 625	-88	-88	22	107	
2014/15-1	Lab	srgt LCS	11/10/2014	Organic	2-Fluorobiphenyl	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/10/2014	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 625	-88	-88	22	107	
2014/15-1	Lab	srgt LCS dup	11/10/2014	Organic	2-Fluorobiphenyl	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/10/2014	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2014/15-1	ME-CC	srgt environ	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	3.16	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	ME-CC	srgt environ	11/10/2014	Organic	2-Fluorobiphenyl	n/a	=	9.69	µg/L	EPA 625	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/10/2014	Organic	2-Fluorobiphenyl	n/a	=	39	%	EPA 625	-88	-88	22	107	
2014/15-1	ME-VR2	srgt environ	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	3.42	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	ME-VR2	srgt environ	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2014/15-1	MO-CAM	srgt environ	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	3.61	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	MO-CAM	srgt environ	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	20	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-CAM	srgt environ, rec	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625	-88	-88	22	107	
2014/15-1	MO-FIL	srgt environ	11/8/2014	Organic	2-Fluorobiphenyl	n/a	=	3.61	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/8/2014	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	MO-FIL	srgt environ	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	22	107	
2014/15-1	MO-HUE	srgt environ	11/8/2014	Organic	2-Fluorobiphenyl	n/a	=	3.93	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/8/2014	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	MO-HUE	srgt environ	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	22	107	
2014/15-1	MO-MEI	srgt environ	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	3.66	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	MO-MEI	srgt environ	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	21.3	µg/L	EPA 625	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	85	%	EPA 625	-88	-88	22	107	
2014/15-1	MO-MPK	srgt environ	11/8/2014	Organic	2-Fluorobiphenyl	n/a	=	2.86	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/8/2014	Organic	2-Fluorobiphenyl	n/a	=	57	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	MO-MPK	srgt environ	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 625	-88	-88	22	107	
2014/15-1	MO-OJA	srgt environ	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	3.75	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	MO-OJA	srgt environ	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	22	107	
2014/15-1	MO-OXN	srgt environ	11/8/2014	Organic	2-Fluorobiphenyl	n/a	=	4.36	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/8/2014	Organic	2-Fluorobiphenyl	n/a	=	87	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	MO-OXN	srgt environ	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	22	107	
2014/15-1	MO-SIM	srgt environ	11/8/2014	Organic	2-Fluorobiphenyl	n/a	=	4.46	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/8/2014	Organic	2-Fluorobiphenyl	n/a	=	89	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	MO-SIM	srgt environ	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	22	107	
2014/15-1	MO-SPA	srgt environ	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	4.09	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	82	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	MO-SPA	srgt environ	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	22	107	
2014/15-1	MO-THO	srgt environ	11/8/2014	Organic	2-Fluorobiphenyl	n/a	=	3.54	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/8/2014	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	MO-THO	srgt environ	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	17.1	µg/L	EPA 625	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 625	-88	-88	22	107	
2014/15-1	MO-VEN	srgt environ	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	4.56	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/7/2014	Organic	2-Fluorobiphenyl	n/a	=	91	%	EPA 8270Cm	-88	-88	51	139	
2014/15-1	MO-VEN	srgt environ	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/11/2014	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 625	-88	-88	22	107	
2014/15-1	Lab	srgt method blank	11/10/2014	Organic	2-Fluorophenol	n/a	=	22.7	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/10/2014	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2014/15-1	Lab	srgt LCS	11/10/2014	Organic	2-Fluorophenol	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/10/2014	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2014/15-1	Lab	srgt LCS dup	11/10/2014	Organic	2-Fluorophenol	n/a	=	23.5	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/10/2014	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	srgt method blank	11/12/2014	Organic	2-Fluorophenol	n/a	=	4.9	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/12/2014	Organic	2-Fluorophenol	n/a	=	49	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	Lab	srgt LCS	11/12/2014	Organic	2-Fluorophenol	n/a	=	3.92	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/12/2014	Organic	2-Fluorophenol	n/a	=	39	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	Lab	srgt LCS dup	11/12/2014	Organic	2-Fluorophenol	n/a	=	4.19	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/12/2014	Organic	2-Fluorophenol	n/a	=	42	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	ME-CC	srgt environ	11/10/2014	Organic	2-Fluorophenol	n/a	=	10.2	µg/L	EPA 625	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/10/2014	Organic	2-Fluorophenol	n/a	=	20	%	EPA 625	-88	-88	3	74	
2014/15-1	ME-CC	srgt environ	11/12/2014	Organic	2-Fluorophenol	n/a	=	3.6	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/12/2014	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	ME-VR2	srgt environ	11/11/2014	Organic	2-Fluorophenol	n/a	=	22	µg/L	EPA 625	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/11/2014	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2014/15-1	ME-VR2	srgt environ	11/12/2014	Organic	2-Fluorophenol	n/a	=	4.65	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/12/2014	Organic	2-Fluorophenol	n/a	=	49	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	MO-CAM	srgt environ	11/11/2014	Organic	2-Fluorophenol	n/a	=	23.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/11/2014	Organic	2-Fluorophenol	n/a	=	47	%	EPA 625	-88	-88	3	74	
2014/15-1	MO-CAM	srgt environ	11/12/2014	Organic	2-Fluorophenol	n/a	=	4.08	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/12/2014	Organic	2-Fluorophenol	n/a	=	41	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	MO-FIL	srgt environ	11/11/2014	Organic	2-Fluorophenol	n/a	=	20.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/11/2014	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2014/15-1	MO-FIL	srgt environ	11/13/2014	Organic	2-Fluorophenol	n/a	=	4.09	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/13/2014	Organic	2-Fluorophenol	n/a	=	41	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	MO-HUE	srgt environ	11/11/2014	Organic	2-Fluorophenol	n/a	=	20	µg/L	EPA 625	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/11/2014	Organic	2-Fluorophenol	n/a	=	40	%	EPA 625	-88	-88	3	74	
2014/15-1	MO-HUE	srgt environ	11/13/2014	Organic	2-Fluorophenol	n/a	=	3.33	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/13/2014	Organic	2-Fluorophenol	n/a	=	35	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	MO-MEI	srgt environ	11/11/2014	Organic	2-Fluorophenol	n/a	=	22.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/11/2014	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2014/15-1	MO-MEI	srgt environ	11/12/2014	Organic	2-Fluorophenol	n/a	=	4.76	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/12/2014	Organic	2-Fluorophenol	n/a	=	48	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	MO-MPK	srgt environ	11/11/2014	Organic	2-Fluorophenol	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/11/2014	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	3	74	
2014/15-1	MO-MPK	srgt environ	11/13/2014	Organic	2-Fluorophenol	n/a	=	3.62	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/13/2014	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	MO-OJA	srgt environ	11/11/2014	Organic	2-Fluorophenol	n/a	=	21.9	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/11/2014	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2014/15-1	MO-OJA	srgt environ	11/12/2014	Organic	2-Fluorophenol	n/a	=	4.31	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/12/2014	Organic	2-Fluorophenol	n/a	=	43	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	MO-OXN	srgt environ	11/11/2014	Organic	2-Fluorophenol	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/11/2014	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2014/15-1	MO-OXN	srgt environ	11/13/2014	Organic	2-Fluorophenol	n/a	=	3.2	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/13/2014	Organic	2-Fluorophenol	n/a	=	32	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	MO-SIM	srgt environ	11/11/2014	Organic	2-Fluorophenol	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/11/2014	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2014/15-1	MO-SIM	srgt environ	11/13/2014	Organic	2-Fluorophenol	n/a	=	5.03	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/13/2014	Organic	2-Fluorophenol	n/a	=	50	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	MO-SPA	srgt environ	11/11/2014	Organic	2-Fluorophenol	n/a	=	20	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-SPA	srgt environ, rec	11/11/2014	Organic	2-Fluorophenol	n/a	=	40	%	EPA 625	-88	-88	3	74	
2014/15-1	MO-SPA	srgt environ	11/13/2014	Organic	2-Fluorophenol	n/a	=	4.56	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/13/2014	Organic	2-Fluorophenol	n/a	=	46	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	MO-THO	srgt environ	11/11/2014	Organic	2-Fluorophenol	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/11/2014	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	3	74	
2014/15-1	MO-THO	srgt environ	11/13/2014	Organic	2-Fluorophenol	n/a	=	3.85	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/13/2014	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	MO-VEN	srgt environ	11/11/2014	Organic	2-Fluorophenol	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/11/2014	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2014/15-1	MO-VEN	srgt environ	11/12/2014	Organic	2-Fluorophenol	n/a	=	5.51	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/12/2014	Organic	2-Fluorophenol	n/a	=	55	%	EPA 8270Cm	-88	-88	11	62	
2014/15-1	Lab	method blank	11/7/2014	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	method blank	11/12/2014	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1			
2014/15-1	Lab	method blank	11/10/2014	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	2-Nitrophenol	n/a	=	16.8	µg/L	EPA 625	0.26	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	2-Nitrophenol	n/a	=	67	%	EPA 625	-88	-88	29	182	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	2-Nitrophenol	n/a	=	18.9	µg/L	EPA 625	0.26	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	2-Nitrophenol	n/a	=	75	%	EPA 625	-88	-88	29	182	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	2-Nitrophenol	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1			
2014/15-1	Lab	LCS	11/12/2014	Organic	2-Nitrophenol	n/a	=	7.12	µg/L	EPA 8270Cm	0.71	1			
2014/15-1	Lab	LCS, rec	11/12/2014	Organic	2-Nitrophenol	n/a	=	71	%	EPA 8270Cm	-88	-88	33	103	
2014/15-1	Lab	LCS dup	11/12/2014	Organic	2-Nitrophenol	n/a	=	7.84	µg/L	EPA 8270Cm	0.71	1			
2014/15-1	Lab	LCS dup, rec	11/12/2014	Organic	2-Nitrophenol	n/a	=	78	%	EPA 8270Cm	-88	-88	33	103	
2014/15-1	Lab	LCS, RPD	11/12/2014	Organic	2-Nitrophenol	n/a	=	10	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2014/15-1	Lab	LCS	11/10/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	12.4	µg/L	EPA 625	1.2	5			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	50	%	EPA 625	-88	-88	0.1	262	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	12.1	µg/L	EPA 625	1.2	5			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	49	%	EPA 625	-88	-88	0.1	262	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-1	Lab	method blank	11/10/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2014/15-1	Lab	LCS	11/10/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.4	µg/L	EPA 625	1.7	5			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	94	%	EPA 625	-88	-88	0.1	181	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	25.3	µg/L	EPA 625	1.7	5			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	101	%	EPA 625	-88	-88	0.1	181	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1			
2014/15-1	Lab	LCS	11/12/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	10.6	µg/L	EPA 8270Cm	0.14	1			
2014/15-1	Lab	LCS, rec	11/12/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	106	%	EPA 8270Cm	-88	-88	33	118	
2014/15-1	Lab	LCS dup	11/12/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	10.6	µg/L	EPA 8270Cm	0.14	1			
2014/15-1	Lab	LCS dup, rec	11/12/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	106	%	EPA 8270Cm	-88	-88	33	118	
2014/15-1	Lab	LCS, RPD	11/12/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	0.5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	srgt LCS	11/4/2014	Organic	4-Bromofluorobenzene	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/4/2014	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2014/15-1	Lab	srgt LCS dup	11/4/2014	Organic	4-Bromofluorobenzene	n/a	=	48.7	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	srgt LCS dup, rec	11/4/2014	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2014/15-1	Lab	srgt method blank	11/4/2014	Organic	4-Bromofluorobenzene	n/a	=	48.5	µg/L	EPA 624	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/4/2014	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2014/15-1	Lab	srgt method blank	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	54	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	Lab	srgt method blank, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	108	%	EPA 8015B	-88	-88	72	124	
2014/15-1	Lab	srgt LCS	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	53	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	Lab	srgt LCS, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 8015B	-88	-88	72	124	
2014/15-1	Lab	srgt LCS dup	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	53	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	Lab	srgt LCS dup, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 8015B	-88	-88	72	124	
2014/15-1	Lab	srgt method blank	11/10/2014	Organic	4-Bromofluorobenzene	n/a	=	62	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	Lab	srgt method blank, rec	11/10/2014	Organic	4-Bromofluorobenzene	n/a	=	124	%	EPA 8015B	-88	-88	72	124	
2014/15-1	Lab	srgt LCS	11/10/2014	Organic	4-Bromofluorobenzene	n/a	=	60	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	Lab	srgt LCS, rec	11/10/2014	Organic	4-Bromofluorobenzene	n/a	=	120	%	EPA 8015B	-88	-88	72	124	
2014/15-1	Lab	srgt LCS dup	11/10/2014	Organic	4-Bromofluorobenzene	n/a	=	62	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	Lab	srgt LCS dup, rec	11/10/2014	Organic	4-Bromofluorobenzene	n/a	=	124	%	EPA 8015B	-88	-88	72	124	
2014/15-1	ME-CC	srgt environ	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	47.7	µg/L	EPA 624	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 624	-88	-88	88	108	
2014/15-1	ME-CC	srgt matrix spike	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	49.3	µg/L	EPA 624	-88	-88			
2014/15-1	ME-CC	srgt matrix spike, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2014/15-1	ME-CC	srgt matrix spike dup	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	48.3	µg/L	EPA 624	-88	-88			
2014/15-1	ME-CC	srgt matrix spike dup, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2014/15-1	ME-CC	srgt environ	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	53	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	ME-CC	srgt environ, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 8015B	-88	-88	72	124	
2014/15-1	ME-VR2	srgt environ	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	49.3	µg/L	EPA 624	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2014/15-1	ME-VR2	srgt environ	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	58	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	ME-VR2	srgt environ, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	116	%	EPA 8015B	-88	-88	72	124	
2014/15-1	MO-CAM	srgt environ	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	47.4	µg/L	EPA 624	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 624	-88	-88	88	108	
2014/15-1	MO-CAM	srgt environ	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	56	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	MO-CAM	srgt environ, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	112	%	EPA 8015B	-88	-88	72	124	
2014/15-1	MO-FIL	srgt environ	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2014/15-1	MO-FIL	srgt environ	11/10/2014	Organic	4-Bromofluorobenzene	n/a	=	62	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	MO-FIL	srgt environ, rec	11/10/2014	Organic	4-Bromofluorobenzene	n/a	=	124	%	EPA 8015B	-88	-88	72	124	
2014/15-1	MO-HUE	srgt environ	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	48.6	µg/L	EPA 624	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2014/15-1	MO-HUE	srgt environ	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	55	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	MO-HUE	srgt environ, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	110	%	EPA 8015B	-88	-88	72	124	
2014/15-1	MO-MEI	srgt environ	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	47.2	µg/L	EPA 624	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2014/15-1	MO-MEI	srgt environ	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	59	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	MO-MEI	srgt environ, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	118	%	EPA 8015B	-88	-88	72	124	
2014/15-1	MO-MPK	srgt environ	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	48.1	µg/L	EPA 624	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 624	-88	-88	88	108	
2014/15-1	MO-MPK	srgt environ	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	54	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	MO-MPK	srgt environ, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	108	%	EPA 8015B	-88	-88	72	124	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-OJA	srgt environ	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	47.5	µg/L	EPA 624	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 624	-88	-88	88	108	
2014/15-1	MO-OJA	srgt environ	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	59	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	MO-OJA	srgt environ, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	118	%	EPA 8015B	-88	-88	72	124	
2014/15-1	MO-OXN	srgt environ	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	45.9	µg/L	EPA 624	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2014/15-1	MO-OXN	srgt environ	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	57	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	MO-OXN	srgt environ, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	114	%	EPA 8015B	-88	-88	72	124	
2014/15-1	MO-SIM	srgt environ	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2014/15-1	MO-SIM	srgt environ	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	57	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	MO-SIM	srgt environ, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	114	%	EPA 8015B	-88	-88	72	124	
2014/15-1	MO-THO	srgt field duplicate	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	48.8	µg/L	EPA 624	-88	-88			
2014/15-1	MO-THO	srgt field duplicate, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2014/15-1	MO-THO	srgt environ	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	48.6	µg/L	EPA 624	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2014/15-1	MO-THO	srgt field duplicate	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	57	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	MO-THO	srgt field duplicate, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	114	%	EPA 8015B	-88	-88	72	124	
2014/15-1	MO-THO	srgt environ	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	55	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	MO-THO	srgt environ, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	110	%	EPA 8015B	-88	-88	72	124	
2014/15-1	MO-VEN	srgt environ	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	48.7	µg/L	EPA 624	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/5/2014	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2014/15-1	MO-VEN	srgt environ	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	54	µg/L	EPA 8015B	-88000	-88000			
2014/15-1	MO-VEN	srgt environ, rec	11/7/2014	Organic	4-Bromofluorobenzene	n/a	=	108	%	EPA 8015B	-88	-88	72	124	
2014/15-1	Lab	method blank	11/10/2014	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	17.3	µg/L	EPA 625	0.36	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	69	%	EPA 625	-88	-88	53	127	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	19.3	µg/L	EPA 625	0.36	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	77	%	EPA 625	-88	-88	53	127	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	4-Chloro-3-methylphenol	n/a	=	17.6	µg/L	EPA 625	0.23	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	4-Chloro-3-methylphenol	n/a	=	70	%	EPA 625	-88	-88	22	147	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	4-Chloro-3-methylphenol	n/a	=	20.2	µg/L	EPA 625	0.23	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	4-Chloro-3-methylphenol	n/a	=	81	%	EPA 625	-88	-88	22	147	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	4-Chloro-3-methylphenol	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1			
2014/15-1	Lab	LCS	11/12/2014	Organic	4-Chloro-3-methylphenol	n/a	=	8.28	µg/L	EPA 8270Cm	0.37	1			
2014/15-1	Lab	LCS, rec	11/12/2014	Organic	4-Chloro-3-methylphenol	n/a	=	83	%	EPA 8270Cm	-88	-88	29	108	
2014/15-1	Lab	LCS dup	11/12/2014	Organic	4-Chloro-3-methylphenol	n/a	=	8.58	µg/L	EPA 8270Cm	0.37	1			
2014/15-1	Lab	LCS dup, rec	11/12/2014	Organic	4-Chloro-3-methylphenol	n/a	=	86	%	EPA 8270Cm	-88	-88	29	108	
2014/15-1	Lab	LCS, RPD	11/12/2014	Organic	4-Chloro-3-methylphenol	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	18.7	µg/L	EPA 625	0.41	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	75	%	EPA 625	-88	-88	25	158	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.4	µg/L	EPA 625	0.41	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	86	%	EPA 625	-88	-88	25	158	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-1	Lab	LCS	11/10/2014	Organic	4-Nitrophenol	n/a	=	10.4	µg/L	EPA 625	0.45	5			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	4-Nitrophenol	n/a	=	42	%	EPA 625	-88	-88	0.1	132	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	4-Nitrophenol	n/a	=	11.2	µg/L	EPA 625	0.45	5			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	4-Nitrophenol	n/a	=	45	%	EPA 625	-88	-88	0.1	132	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	4-Nitrophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-1	Lab	LCS	11/12/2014	Organic	4-Nitrophenol	n/a	=	6	µg/L	EPA 8270Cm	1	2			EUM
2014/15-1	Lab	LCS, rec	11/12/2014	Organic	4-Nitrophenol	n/a	=	60	%	EPA 8270Cm	-88	-88	6	46	EUM
2014/15-1	Lab	LCS dup	11/12/2014	Organic	4-Nitrophenol	n/a	=	5.38	µg/L	EPA 8270Cm	1	2			EUM
2014/15-1	Lab	LCS dup, rec	11/12/2014	Organic	4-Nitrophenol	n/a	=	54	%	EPA 8270Cm	-88	-88	6	46	EUM
2014/15-1	Lab	LCS, RPD	11/12/2014	Organic	4-Nitrophenol	n/a	=	11	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Acenaphthene	n/a	=	7.68	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Acenaphthene	n/a	=	77	%	EPA 8270Cm	-88	-88	11	122	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Acenaphthene	n/a	=	8	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Acenaphthene	n/a	=	80	%	EPA 8270Cm	-88	-88	11	122	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Acenaphthene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Acenaphthene	n/a	=	18.6	µg/L	EPA 625	0.38	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Acenaphthene	n/a	=	74	%	EPA 625	-88	-88	47	145	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Acenaphthene	n/a	=	21	µg/L	EPA 625	0.38	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Acenaphthene	n/a	=	84	%	EPA 625	-88	-88	47	145	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Acenaphthene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Acenaphthylene	n/a	=	7.41	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Acenaphthylene	n/a	=	74	%	EPA 8270Cm	-88	-88	4	135	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Acenaphthylene	n/a	=	7.86	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Acenaphthylene	n/a	=	79	%	EPA 8270Cm	-88	-88	4	135	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Acenaphthylene	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Acenaphthylene	n/a	=	18.2	µg/L	EPA 625	0.4	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Acenaphthylene	n/a	=	73	%	EPA 625	-88	-88	33	145	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Acenaphthylene	n/a	=	21	µg/L	EPA 625	0.4	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Acenaphthylene	n/a	=	84	%	EPA 625	-88	-88	33	145	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Acenaphthylene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Anthracene	n/a	=	7.55	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Anthracene	n/a	=	75	%	EPA 8270Cm	-88	-88	22	127	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Anthracene	n/a	=	7.43	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Anthracene	n/a	=	74	%	EPA 8270Cm	-88	-88	22	127	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Anthracene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Anthracene	n/a	=	21.3	µg/L	EPA 625	0.34	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Anthracene	n/a	=	85	%	EPA 625	-88	-88	27	133	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Anthracene	n/a	=	23.4	µg/L	EPA 625	0.34	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Anthracene	n/a	=	94	%	EPA 625	-88	-88	27	133	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Anthracene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Benz(a)anthracene	n/a	=	8.19	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Benz(a)anthracene	n/a	=	82	%	EPA 8270Cm	-88	-88	17	131	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Benz(a)anthracene	n/a	=	7.87	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Benz(a)anthracene	n/a	=	79	%	EPA 8270Cm	-88	-88	17	131	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Benz(a)anthracene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Benz(a)anthracene	n/a	=	23	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Benz(a)anthracene	n/a	=	92	%	EPA 625	-88	-88	33	143	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Benz(a)anthracene	n/a	=	26.4	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Benz(a)anthracene	n/a	=	106	%	EPA 625	-88	-88	33	143	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Benz(a)anthracene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2014/15-1	Lab	method blank	11/6/2014	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-1	Lab	LCS	11/6/2014	Organic	Benzo(a)pyrene	n/a	=	3.69	µg/L	EPA 525.2	0.07	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Organic	Benzo(a)pyrene	n/a	=	74	%	EPA 525.2	-88	-88	40	147	
2014/15-1	Lab	LCS dup	11/6/2014	Organic	Benzo(a)pyrene	n/a	=	3.92	µg/L	EPA 525.2	0.07	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Organic	Benzo(a)pyrene	n/a	=	78	%	EPA 525.2	-88	-88	40	147	
2014/15-1	Lab	LCS, RPD	11/6/2014	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Benzo(a)pyrene	n/a	=	7.51	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Benzo(a)pyrene	n/a	=	75	%	EPA 8270Cm	-88	-88	12	131	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Benzo(a)pyrene	n/a	=	9.26	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Benzo(a)pyrene	n/a	=	93	%	EPA 8270Cm	-88	-88	12	131	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Benzo(a)pyrene	n/a	=	21	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Benzo(a)pyrene	n/a	=	16.2	µg/L	EPA 625	0.13	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Benzo(a)pyrene	n/a	=	65	%	EPA 625	-88	-88	17	163	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Benzo(a)pyrene	n/a	=	16.9	µg/L	EPA 625	0.13	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Benzo(a)pyrene	n/a	=	68	%	EPA 625	-88	-88	17	163	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Benzo(a)pyrene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Benzo(b)fluoranthene	n/a	=	7.88	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Benzo(b)fluoranthene	n/a	=	79	%	EPA 8270Cm	-88	-88	19	129	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Benzo(b)fluoranthene	n/a	=	10.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Benzo(b)fluoranthene	n/a	=	101	%	EPA 8270Cm	-88	-88	19	129	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Benzo(b)fluoranthene	n/a	=	24	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Benzo(b)fluoranthene	n/a	=	19.4	µg/L	EPA 625	0.14	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Benzo(b)fluoranthene	n/a	=	78	%	EPA 625	-88	-88	24	159	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Benzo(b)fluoranthene	n/a	=	20.1	µg/L	EPA 625	0.14	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Benzo(b)fluoranthene	n/a	=	80	%	EPA 625	-88	-88	24	159	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Benzo(b)fluoranthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Benzo(g,h,i)perylene	n/a	=	9.02	µg/L	EPA 8270Cm	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Benzo(g,h,i)perylene	n/a	=	90	%	EPA 8270Cm	-88	-88	14	139	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Benzo(g,h,i)perylene	n/a	=	11.5	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Benzo(g,h,i)perylene	n/a	=	115	%	EPA 8270Cm	-88	-88	14	139	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Benzo(g,h,i)perylene	n/a	=	25	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-1	Lab	LCS	11/10/2014	Organic	Benzo(g,h,i)perylene	n/a	=	13.2	µg/L	EPA 625	0.1	2			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Benzo(g,h,i)perylene	n/a	=	53	%	EPA 625	-88	-88	0.1	219	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Benzo(g,h,i)perylene	n/a	=	11.4	µg/L	EPA 625	0.1	2			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Benzo(g,h,i)perylene	n/a	=	45	%	EPA 625	-88	-88	0.1	219	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Benzo(g,h,i)perylene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Benzo(k)fluoranthene	n/a	=	8.11	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Benzo(k)fluoranthene	n/a	=	81	%	EPA 8270Cm	-88	-88	22	127	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Benzo(k)fluoranthene	n/a	=	8.78	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Benzo(k)fluoranthene	n/a	=	88	%	EPA 8270Cm	-88	-88	22	127	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Benzo(k)fluoranthene	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Benzo(k)fluoranthene	n/a	=	19.1	µg/L	EPA 625	0.22	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Benzo(k)fluoranthene	n/a	=	77	%	EPA 625	-88	-88	11	162	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Benzo(k)fluoranthene	n/a	=	22.4	µg/L	EPA 625	0.22	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Benzo(k)fluoranthene	n/a	=	89	%	EPA 625	-88	-88	11	162	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Benzo(k)fluoranthene	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	17.9	µg/L	EPA 625	0.25	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	72	%	EPA 625	-88	-88	33	184	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	20	µg/L	EPA 625	0.25	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	80	%	EPA 625	-88	-88	33	184	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	16.5	µg/L	EPA 625	0.27	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	66	%	EPA 625	-88	-88	12	158	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	18.5	µg/L	EPA 625	0.27	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	74	%	EPA 625	-88	-88	12	158	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.3	µg/L	EPA 625	0.38	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	81	%	EPA 625	-88	-88	36	166	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	22.9	µg/L	EPA 625	0.38	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	92	%	EPA 625	-88	-88	36	166	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-1	Lab	LCS	11/6/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.96	µg/L	EPA 525.2	0.1	5			
2014/15-1	Lab	LCS, rec	11/6/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	119	%	EPA 525.2	-88	-88	71	158	
2014/15-1	Lab	LCS dup	11/6/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.68	µg/L	EPA 525.2	0.1	5			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	114	%	EPA 525.2	-88	-88	71	158	
2014/15-1	Lab	LCS, RPD	11/6/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS	11/6/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.65	µg/L	EPA 525.2	1.1	3			
2014/15-1	Lab	LCS, rec	11/6/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	133	%	EPA 525.2	-88	-88	68	154	
2014/15-1	Lab	LCS dup	11/6/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.18	µg/L	EPA 525.2	1.1	3			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	124	%	EPA 525.2	-88	-88	68	154	
2014/15-1	Lab	LCS, RPD	11/6/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2014/15-1	Lab	LCS	11/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	26.3	µg/L	EPA 625	2.3	5			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	105	%	EPA 625	-88	-88	8	158	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	29.8	µg/L	EPA 625	2.3	5			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	119	%	EPA 625	-88	-88	8	158	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/17/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2014/15-1	Lab	LCS	11/17/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	27	µg/L	EPA 625	2.3	5			
2014/15-1	Lab	LCS, rec	11/17/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	108	%	EPA 625	-88	-88	8	158	
2014/15-1	Lab	LCS dup	11/17/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	27	µg/L	EPA 625	2.3	5			
2014/15-1	Lab	LCS dup, rec	11/17/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	108	%	EPA 625	-88	-88	8	158	
2014/15-1	Lab	LCS, RPD	11/17/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	0.1	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Butyl benzyl phthalate	n/a	=	24.3	µg/L	EPA 625	0.18	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Butyl benzyl phthalate	n/a	=	97	%	EPA 625	-88	-88	0.1	152	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Butyl benzyl phthalate	n/a	=	27.3	µg/L	EPA 625	0.18	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Butyl benzyl phthalate	n/a	=	109	%	EPA 625	-88	-88	0.1	152	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Butyl benzyl phthalate	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Chrysene	n/a	=	8.86	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Chrysene	n/a	=	89	%	EPA 8270Cm	-88	-88	32	126	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Chrysene	n/a	=	8.94	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Chrysene	n/a	=	89	%	EPA 8270Cm	-88	-88	32	126	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Chrysene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Chrysene	n/a	=	24	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Chrysene	n/a	=	96	%	EPA 625	-88	-88	17	168	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Chrysene	n/a	=	25.4	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Chrysene	n/a	=	101	%	EPA 625	-88	-88	17	168	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Chrysene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Dibenz(a,h)anthracene	n/a	=	9.02	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Dibenz(a,h)anthracene	n/a	=	90	%	EPA 8270Cm	-88	-88	9	147	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Dibenz(a,h)anthracene	n/a	=	11.7	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Dibenz(a,h)anthracene	n/a	=	117	%	EPA 8270Cm	-88	-88	9	147	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Dibenz(a,h)anthracene	n/a	=	26	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-1	Lab	LCS	11/10/2014	Organic	Dibenz(a,h)anthracene	n/a	=	13.7	µg/L	EPA 625	0.08	2			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Dibenz(a,h)anthracene	n/a	=	55	%	EPA 625	-88	-88	0.1	227	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Dibenz(a,h)anthracene	n/a	=	11.9	µg/L	EPA 625	0.08	2			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Dibenz(a,h)anthracene	n/a	=	48	%	EPA 625	-88	-88	0.1	227	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Dibenz(a,h)anthracene	n/a	=	14	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	method blank	11/10/2014	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Diethyl phthalate	n/a	=	20.7	µg/L	EPA 625	0.15	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Diethyl phthalate	n/a	=	83	%	EPA 625	-88	-88	0.1	114	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Diethyl phthalate	n/a	=	22.9	µg/L	EPA 625	0.15	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Diethyl phthalate	n/a	=	91	%	EPA 625	-88	-88	0.1	114	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Diethyl phthalate	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Dimethyl phthalate	n/a	=	20.2	µg/L	EPA 625	0.18	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Dimethyl phthalate	n/a	=	81	%	EPA 625	-88	-88	0.1	112	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Dimethyl phthalate	n/a	=	23.3	µg/L	EPA 625	0.18	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Dimethyl phthalate	n/a	=	93	%	EPA 625	-88	-88	0.1	112	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Dimethyl phthalate	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Di-n-butylphthalate	n/a	=	23.2	µg/L	EPA 625	0.24	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Di-n-butylphthalate	n/a	=	93	%	EPA 625	-88	-88	1	118	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Di-n-butylphthalate	n/a	=	24.7	µg/L	EPA 625	0.24	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Di-n-butylphthalate	n/a	=	99	%	EPA 625	-88	-88	1	118	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Di-n-butylphthalate	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Di-n-octylphthalate	n/a	=	24.3	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Di-n-octylphthalate	n/a	=	97	%	EPA 625	-88	-88	4	146	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Di-n-octylphthalate	n/a	=	26.6	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Di-n-octylphthalate	n/a	=	107	%	EPA 625	-88	-88	4	146	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Di-n-octylphthalate	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Fluoranthene	n/a	=	8.22	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Fluoranthene	n/a	=	82	%	EPA 8270Cm	-88	-88	22	131	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Fluoranthene	n/a	=	7.72	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Fluoranthene	n/a	=	77	%	EPA 8270Cm	-88	-88	22	131	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Fluoranthene	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Fluoranthene	n/a	=	24.3	µg/L	EPA 625	0.22	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Fluoranthene	n/a	=	97	%	EPA 625	-88	-88	26	137	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Fluoranthene	n/a	=	25.7	µg/L	EPA 625	0.22	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Fluoranthene	n/a	=	103	%	EPA 625	-88	-88	26	137	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Fluoranthene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Fluorene	n/a	=	8.4	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Fluorene	n/a	=	84	%	EPA 8270Cm	-88	-88	19	122	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Fluorene	n/a	=	8.58	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Fluorene	n/a	=	86	%	EPA 8270Cm	-88	-88	19	122	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Fluorene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Fluorene	n/a	=	19.4	µg/L	EPA 625	0.35	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Fluorene	n/a	=	77	%	EPA 625	-88	-88	59	121	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Fluorene	n/a	=	22.2	µg/L	EPA 625	0.35	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Fluorene	n/a	=	89	%	EPA 625	-88	-88	59	121	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Fluorene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Hexachlorobenzene	n/a	=	21.4	µg/L	EPA 625	0.49	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Hexachlorobenzene	n/a	=	86	%	EPA 625	-88	-88	0.1	152	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Hexachlorobenzene	n/a	=	23.2	µg/L	EPA 625	0.49	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Hexachlorobenzene	n/a	=	93	%	EPA 625	-88	-88	0.1	152	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Hexachlorobenzene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Hexachlorobutadiene	n/a	=	17.8	µg/L	EPA 625	0.47	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Hexachlorobutadiene	n/a	=	71	%	EPA 625	-88	-88	24	116	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Hexachlorobutadiene	n/a	=	20.1	µg/L	EPA 625	0.47	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Hexachlorobutadiene	n/a	=	80	%	EPA 625	-88	-88	24	116	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Hexachlorobutadiene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-1	Lab	LCS	11/10/2014	Organic	Hexachlorocyclopentadiene	n/a	=	6.69	µg/L	EPA 625	1.5	5			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Hexachlorocyclopentadiene	n/a	=	27	%	EPA 625	-88	-88	0.1	81	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Hexachlorocyclopentadiene	n/a	=	9.68	µg/L	EPA 625	1.5	5			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Hexachlorocyclopentadiene	n/a	=	39	%	EPA 625	-88	-88	0.1	81	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Hexachlorocyclopentadiene	n/a	=	37	%	EPA 625	-88	-88	0	30	IL
2014/15-1	Lab	method blank	11/10/2014	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Hexachloroethane	n/a	=	16.6	µg/L	EPA 625	0.52	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Hexachloroethane	n/a	=	67	%	EPA 625	-88	-88	40	113	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Hexachloroethane	n/a	=	18.6	µg/L	EPA 625	0.52	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Hexachloroethane	n/a	=	74	%	EPA 625	-88	-88	40	113	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Hexachloroethane	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/7/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.36	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	84	%	EPA 8270Cm	-88	-88	12	136	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	10.9	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	109	%	EPA 8270Cm	-88	-88	12	136	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	26	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-1	Lab	LCS	11/10/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	12.9	µg/L	EPA 625	0.12	2			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	52	%	EPA 625	-88	-88	0.1	171	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	11.4	µg/L	EPA 625	0.12	2			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	46	%	EPA 625	-88	-88	0.1	171	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Isophorone	n/a	=	17.4	µg/L	EPA 625	0.21	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Isophorone	n/a	=	70	%	EPA 625	-88	-88	21	196	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Isophorone	n/a	=	19.7	µg/L	EPA 625	0.21	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Isophorone	n/a	=	79	%	EPA 625	-88	-88	21	196	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Isophorone	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	LCS	11/4/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	48.5	µg/L	EPA 624	0.25	1			
2014/15-1	Lab	LCS, rec	11/4/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	97	%	EPA 624	-88	-88	80	128	
2014/15-1	Lab	LCS dup	11/4/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	53.8	µg/L	EPA 624	0.25	1			
2014/15-1	Lab	LCS dup, rec	11/4/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	108	%	EPA 624	-88	-88	80	128	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, RPD	11/4/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	10	%	EPA 624	-88	-88	0	25	
2014/15-1	Lab	method blank	11/4/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2014/15-1	ME-CC	matrix spike	11/5/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	48	µg/L	EPA 624	-88	-88			
2014/15-1	ME-CC	matrix spike, rec	11/5/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	96	%	EPA 624	-88	-88	80	128	
2014/15-1	ME-CC	matrix spike dup	11/5/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2014/15-1	ME-CC	matrix spike dup, rec	11/5/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	103	%	EPA 624	-88	-88	80	128	
2014/15-1	ME-CC	matrix spike, RPD	11/5/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	7	%	EPA 624	-88	-88	0	25	
2014/15-1	MO-THO	field duplicate	11/5/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2014/15-1	Lab	method blank	11/7/2014	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Naphthalene	n/a	=	6.38	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Naphthalene	n/a	=	64	%	EPA 8270Cm	-88	-88	12	136	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Naphthalene	n/a	=	6.96	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Naphthalene	n/a	=	70	%	EPA 8270Cm	-88	-88	12	136	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Naphthalene	n/a	=	9	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Naphthalene	n/a	=	17.6	µg/L	EPA 625	0.49	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Naphthalene	n/a	=	70	%	EPA 625	-88	-88	21	133	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Naphthalene	n/a	=	19.3	µg/L	EPA 625	0.49	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Naphthalene	n/a	=	77	%	EPA 625	-88	-88	21	133	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Naphthalene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Nitrobenzene	n/a	=	17.7	µg/L	EPA 625	0.36	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Nitrobenzene	n/a	=	71	%	EPA 625	-88	-88	35	180	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Nitrobenzene	n/a	=	20.8	µg/L	EPA 625	0.36	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Nitrobenzene	n/a	=	83	%	EPA 625	-88	-88	35	180	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Nitrobenzene	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	srgt method blank	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	3.79	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	Lab	srgt LCS	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	3.12	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	62	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	Lab	srgt LCS dup	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	3.37	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	Lab	srgt method blank	11/10/2014	Organic	Nitrobenzene-d5	n/a	=	19.7	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/10/2014	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625	-88	-88	27	111	
2014/15-1	Lab	srgt LCS	11/10/2014	Organic	Nitrobenzene-d5	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/10/2014	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	27	111	
2014/15-1	Lab	srgt LCS dup	11/10/2014	Organic	Nitrobenzene-d5	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/10/2014	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625	-88	-88	27	111	
2014/15-1	Lab	srgt method blank	11/17/2014	Organic	Nitrobenzene-d5	n/a	=	22.9	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/17/2014	Organic	Nitrobenzene-d5	n/a	=	92	%	EPA 625	-88	-88	27	111	
2014/15-1	Lab	srgt LCS	11/17/2014	Organic	Nitrobenzene-d5	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/17/2014	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	27	111	
2014/15-1	Lab	srgt LCS dup	11/17/2014	Organic	Nitrobenzene-d5	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/17/2014	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2014/15-1	ME-CC	srgt environ	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	3.37	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	ME-CC	srgt environ	11/10/2014	Organic	Nitrobenzene-d5	n/a	=	9.45	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	ME-CC	srgt environ, rec	11/10/2014	Organic	Nitrobenzene-d5	n/a	=	38	%	EPA 625	-88	-88	27	111	
2014/15-1	ME-VR2	srgt environ	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	3.9	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	82	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	ME-VR2	srgt environ	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	21	µg/L	EPA 625	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	84	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-CAM	srgt environ	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	3.82	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	MO-CAM	srgt environ	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	21.2	µg/L	EPA 625	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	85	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-FIL	srgt environ	11/8/2014	Organic	Nitrobenzene-d5	n/a	=	3.72	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/8/2014	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	MO-FIL	srgt environ	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-HUE	srgt environ	11/8/2014	Organic	Nitrobenzene-d5	n/a	=	3.34	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/8/2014	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	MO-HUE	srgt environ	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-MEI	srgt environ	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	4.36	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	87	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	MO-MEI	srgt environ	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-MPK	srgt environ	11/8/2014	Organic	Nitrobenzene-d5	n/a	=	2.88	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/8/2014	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	MO-MPK	srgt environ	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-OJA	srgt environ	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	4.12	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	82	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	MO-OJA	srgt environ	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	20.1	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	80	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-OJA	srgt environ	11/18/2014	Organic	Nitrobenzene-d5	n/a	=	20.6	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/18/2014	Organic	Nitrobenzene-d5	n/a	=	82	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-OXN	srgt environ	11/8/2014	Organic	Nitrobenzene-d5	n/a	=	3.75	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/8/2014	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	MO-OXN	srgt environ	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	20.3	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	81	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-OXN	srgt environ	11/18/2014	Organic	Nitrobenzene-d5	n/a	=	19.6	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/18/2014	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-SIM	srgt environ	11/8/2014	Organic	Nitrobenzene-d5	n/a	=	4.38	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/8/2014	Organic	Nitrobenzene-d5	n/a	=	88	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	MO-SIM	srgt environ	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	19.4	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-SIM	srgt environ	11/18/2014	Organic	Nitrobenzene-d5	n/a	=	20.2	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/18/2014	Organic	Nitrobenzene-d5	n/a	=	81	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-SPA	srgt environ	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	4.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	86	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	MO-SPA	srgt environ	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625	-88	-88	27	111	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-SPA	srgt environ	11/18/2014	Organic	Nitrobenzene-d5	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/18/2014	Organic	Nitrobenzene-d5	n/a	=	87	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-THO	srgt environ	11/8/2014	Organic	Nitrobenzene-d5	n/a	=	3.5	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/8/2014	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	MO-THO	srgt environ	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	27	111	
2014/15-1	MO-VEN	srgt environ	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	5.4	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/7/2014	Organic	Nitrobenzene-d5	n/a	=	108	%	EPA 8270Cm	-88	-88	51	143	
2014/15-1	MO-VEN	srgt environ	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/11/2014	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 625	-88	-88	27	111	
2014/15-1	Lab	method blank	11/10/2014	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	N-Nitrosodimethylamine	n/a	=	12	µg/L	EPA 625	0.14	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	N-Nitrosodimethylamine	n/a	=	48	%	EPA 625	-88	-88	15	59	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	N-Nitrosodimethylamine	n/a	=	12.6	µg/L	EPA 625	0.14	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	N-Nitrosodimethylamine	n/a	=	51	%	EPA 625	-88	-88	15	59	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	N-Nitrosodimethylamine	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	19	µg/L	EPA 625	0.26	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	76	%	EPA 625	-88	-88	0.1	230	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	21.4	µg/L	EPA 625	0.26	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	86	%	EPA 625	-88	-88	0.1	230	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	N-Nitrosodiphenylamine	n/a	=	16.1	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	N-Nitrosodiphenylamine	n/a	=	65	%	EPA 625	-88	-88	42	90	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	N-Nitrosodiphenylamine	n/a	=	18.1	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	N-Nitrosodiphenylamine	n/a	=	72	%	EPA 625	-88	-88	42	90	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	N-Nitrosodiphenylamine	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	srgt method blank	11/6/2014	Organic	Perylene-d12	n/a	=	5.27	µg/L	EPA 525.2	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/6/2014	Organic	Perylene-d12	n/a	=	105	%	EPA 525.2	-88	-88	30	118	
2014/15-1	Lab	srgt LCS	11/6/2014	Organic	Perylene-d12	n/a	=	5.57	µg/L	EPA 525.2	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/6/2014	Organic	Perylene-d12	n/a	=	111	%	EPA 525.2	-88	-88	30	118	
2014/15-1	Lab	srgt LCS dup	11/6/2014	Organic	Perylene-d12	n/a	=	5.57	µg/L	EPA 525.2	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/6/2014	Organic	Perylene-d12	n/a	=	111	%	EPA 525.2	-88	-88	30	118	
2014/15-1	ME-CC	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	1.7	µg/L	EPA 525.2	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	34	%	EPA 525.2	-88	-88	30	118	
2014/15-1	ME-VR2	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	1.91	µg/L	EPA 525.2	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	38	%	EPA 525.2	-88	-88	30	118	
2014/15-1	MO-CAM	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	2.73	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	55	%	EPA 525.2	-88	-88	30	118	
2014/15-1	MO-FIL	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	2.51	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	45	%	EPA 525.2	-88	-88	30	118	
2014/15-1	MO-HUE	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	2.37	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	43	%	EPA 525.2	-88	-88	30	118	
2014/15-1	MO-MEI	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	4.69	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	89	%	EPA 525.2	-88	-88	30	118	
2014/15-1	MO-MPK	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	2.97	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-MPK	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	50	%	EPA 525.2	-88	-88	30	118	
2014/15-1	MO-OJA	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	4.05	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	73	%	EPA 525.2	-88	-88	30	118	
2014/15-1	MO-OXN	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	3.3	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	63	%	EPA 525.2	-88	-88	30	118	
2014/15-1	MO-SIM	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	3.49	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	66	%	EPA 525.2	-88	-88	30	118	
2014/15-1	MO-SPA	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	3.68	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	66	%	EPA 525.2	-88	-88	30	118	
2014/15-1	MO-THO	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	2.41	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	43	%	EPA 525.2	-88	-88	30	118	
2014/15-1	MO-VEN	srgt environ	11/6/2014	Organic	Perylene-d12	n/a	=	3.63	µg/L	EPA 525.2	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/6/2014	Organic	Perylene-d12	n/a	=	69	%	EPA 525.2	-88	-88	30	118	
2014/15-1	Lab	method blank	11/7/2014	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Phenanthrene	n/a	=	7.6	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Phenanthrene	n/a	=	76	%	EPA 8270Cm	-88	-88	21	131	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Phenanthrene	n/a	=	7.68	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Phenanthrene	n/a	=	77	%	EPA 8270Cm	-88	-88	21	131	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Phenanthrene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Phenanthrene	n/a	=	21.9	µg/L	EPA 625	0.32	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Phenanthrene	n/a	=	88	%	EPA 625	-88	-88	54	120	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Phenanthrene	n/a	=	23.9	µg/L	EPA 625	0.32	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Phenanthrene	n/a	=	96	%	EPA 625	-88	-88	54	120	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Phenanthrene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Phenol	n/a	=	7.07	µg/L	EPA 625	0.16	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Phenol	n/a	=	28	%	EPA 625	-88	-88	5	112	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Phenol	n/a	=	7.82	µg/L	EPA 625	0.16	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Phenol	n/a	=	31	%	EPA 625	-88	-88	5	112	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Phenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1			
2014/15-1	Lab	LCS	11/12/2014	Organic	Phenol	n/a	=	3.37	µg/L	EPA 8270Cm	0.35	1			
2014/15-1	Lab	LCS, rec	11/12/2014	Organic	Phenol	n/a	=	34	%	EPA 8270Cm	-88	-88	6	43	
2014/15-1	Lab	LCS dup	11/12/2014	Organic	Phenol	n/a	=	3.53	µg/L	EPA 8270Cm	0.35	1			
2014/15-1	Lab	LCS dup, rec	11/12/2014	Organic	Phenol	n/a	=	35	%	EPA 8270Cm	-88	-88	6	43	
2014/15-1	Lab	LCS, RPD	11/12/2014	Organic	Phenol	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	srgt method blank	11/10/2014	Organic	Phenol-d5	n/a	=	15.4	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/10/2014	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2014/15-1	Lab	srgt LCS	11/10/2014	Organic	Phenol-d5	n/a	=	14.5	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/10/2014	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2014/15-1	Lab	srgt LCS dup	11/10/2014	Organic	Phenol-d5	n/a	=	16	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/10/2014	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2014/15-1	Lab	srgt method blank	11/12/2014	Organic	Phenol-d5	n/a	=	3.28	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/12/2014	Organic	Phenol-d5	n/a	=	33	%	EPA 8270Cm	-88	-88	5	46	
2014/15-1	Lab	srgt LCS	11/12/2014	Organic	Phenol-d5	n/a	=	2.63	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/12/2014	Organic	Phenol-d5	n/a	=	26	%	EPA 8270Cm	-88	-88	5	46	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	srgt LCS dup	11/12/2014	Organic	Phenol-d5	n/a	=	2.76	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/12/2014	Organic	Phenol-d5	n/a	=	28	%	EPA 8270Cm	-88	-88	5	46	
2014/15-1	Lab	srgt method blank	11/17/2014	Organic	Phenol-d5	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/17/2014	Organic	Phenol-d5	n/a	=	35	%	EPA 625	-88	-88	0.1	53	
2014/15-1	Lab	srgt LCS	11/17/2014	Organic	Phenol-d5	n/a	=	13.5	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/17/2014	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2014/15-1	Lab	srgt LCS dup	11/17/2014	Organic	Phenol-d5	n/a	=	12.6	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/17/2014	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2014/15-1	ME-CC	srgt environ	11/10/2014	Organic	Phenol-d5	n/a	=	6.84	µg/L	EPA 625	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/10/2014	Organic	Phenol-d5	n/a	=	14	%	EPA 625	-88	-88	0.1	53	
2014/15-1	ME-CC	srgt environ	11/12/2014	Organic	Phenol-d5	n/a	=	2.8	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/12/2014	Organic	Phenol-d5	n/a	=	28	%	EPA 8270Cm	-88	-88	5	46	
2014/15-1	ME-VR2	srgt environ	11/11/2014	Organic	Phenol-d5	n/a	=	15.1	µg/L	EPA 625	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/11/2014	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2014/15-1	ME-VR2	srgt environ	11/12/2014	Organic	Phenol-d5	n/a	=	3.32	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/12/2014	Organic	Phenol-d5	n/a	=	35	%	EPA 8270Cm	-88	-88	5	46	
2014/15-1	MO-CAM	srgt environ	11/11/2014	Organic	Phenol-d5	n/a	=	18.7	µg/L	EPA 625	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/11/2014	Organic	Phenol-d5	n/a	=	37	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-CAM	srgt environ	11/12/2014	Organic	Phenol-d5	n/a	=	4.92	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-1	MO-CAM	srgt environ, rec	11/12/2014	Organic	Phenol-d5	n/a	=	49	%	EPA 8270Cm	-88	-88	5	46	GN
2014/15-1	MO-FIL	srgt environ	11/11/2014	Organic	Phenol-d5	n/a	=	15.7	µg/L	EPA 625	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/11/2014	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-FIL	srgt environ	11/13/2014	Organic	Phenol-d5	n/a	=	3.97	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/13/2014	Organic	Phenol-d5	n/a	=	40	%	EPA 8270Cm	-88	-88	5	46	
2014/15-1	MO-HUE	srgt environ	11/11/2014	Organic	Phenol-d5	n/a	=	14.9	µg/L	EPA 625	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/11/2014	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-HUE	srgt environ	11/13/2014	Organic	Phenol-d5	n/a	=	3.14	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/13/2014	Organic	Phenol-d5	n/a	=	33	%	EPA 8270Cm	-88	-88	5	46	
2014/15-1	MO-MEI	srgt environ	11/11/2014	Organic	Phenol-d5	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/11/2014	Organic	Phenol-d5	n/a	=	37	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-MEI	srgt environ	11/12/2014	Organic	Phenol-d5	n/a	=	6.54	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-1	MO-MEI	srgt environ, rec	11/12/2014	Organic	Phenol-d5	n/a	=	65	%	EPA 8270Cm	-88	-88	5	46	GN
2014/15-1	MO-MPK	srgt environ	11/11/2014	Organic	Phenol-d5	n/a	=	14.4	µg/L	EPA 625	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/11/2014	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-MPK	srgt environ	11/13/2014	Organic	Phenol-d5	n/a	=	3.9	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/13/2014	Organic	Phenol-d5	n/a	=	39	%	EPA 8270Cm	-88	-88	5	46	
2014/15-1	MO-OJA	srgt environ	11/11/2014	Organic	Phenol-d5	n/a	=	20.4	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/11/2014	Organic	Phenol-d5	n/a	=	41	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-OJA	srgt environ	11/12/2014	Organic	Phenol-d5	n/a	=	8.68	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-1	MO-OJA	srgt environ, rec	11/12/2014	Organic	Phenol-d5	n/a	=	87	%	EPA 8270Cm	-88	-88	5	46	GN
2014/15-1	MO-OJA	srgt environ	11/18/2014	Organic	Phenol-d5	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/18/2014	Organic	Phenol-d5	n/a	=	35	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-OXN	srgt environ	11/11/2014	Organic	Phenol-d5	n/a	=	15.3	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/11/2014	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-OXN	srgt environ	11/13/2014	Organic	Phenol-d5	n/a	=	3.2	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/13/2014	Organic	Phenol-d5	n/a	=	32	%	EPA 8270Cm	-88	-88	5	46	
2014/15-1	MO-OXN	srgt environ	11/18/2014	Organic	Phenol-d5	n/a	=	15.9	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-OXN	srqt environ, rec	11/18/2014	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-SIM	srqt environ	11/11/2014	Organic	Phenol-d5	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SIM	srqt environ, rec	11/11/2014	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-SIM	srqt environ	11/13/2014	Organic	Phenol-d5	n/a	=	6.18	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-1	MO-SIM	srqt environ, rec	11/13/2014	Organic	Phenol-d5	n/a	=	62	%	EPA 8270Cm	-88	-88	5	46	GN
2014/15-1	MO-SIM	srqt environ	11/18/2014	Organic	Phenol-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SIM	srqt environ, rec	11/18/2014	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-SPA	srqt environ	11/11/2014	Organic	Phenol-d5	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SPA	srqt environ, rec	11/11/2014	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-SPA	srqt environ	11/13/2014	Organic	Phenol-d5	n/a	=	6.31	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-1	MO-SPA	srqt environ, rec	11/13/2014	Organic	Phenol-d5	n/a	=	63	%	EPA 8270Cm	-88	-88	5	46	GN
2014/15-1	MO-SPA	srqt environ	11/18/2014	Organic	Phenol-d5	n/a	=	19.3	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SPA	srqt environ, rec	11/18/2014	Organic	Phenol-d5	n/a	=	39	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-THO	srqt environ	11/11/2014	Organic	Phenol-d5	n/a	=	14.3	µg/L	EPA 625	-88	-88			
2014/15-1	MO-THO	srqt environ, rec	11/11/2014	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-THO	srqt environ	11/13/2014	Organic	Phenol-d5	n/a	=	3.56	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-THO	srqt environ, rec	11/13/2014	Organic	Phenol-d5	n/a	=	36	%	EPA 8270Cm	-88	-88	5	46	
2014/15-1	MO-VEN	srqt environ	11/11/2014	Organic	Phenol-d5	n/a	=	16	µg/L	EPA 625	-88	-88			
2014/15-1	MO-VEN	srqt environ, rec	11/11/2014	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2014/15-1	MO-VEN	srqt environ	11/12/2014	Organic	Phenol-d5	n/a	=	6.1	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-1	MO-VEN	srqt environ, rec	11/12/2014	Organic	Phenol-d5	n/a	=	61	%	EPA 8270Cm	-88	-88	5	46	GN
2014/15-1	Lab	srqt method blank	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	4.04	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srqt method blank, rec	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	Lab	srqt LCS	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	3.57	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srqt LCS, rec	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	Lab	srqt LCS dup	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	3.38	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	Lab	srqt LCS dup, rec	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	Lab	srqt method blank	11/10/2014	Organic	p-Terphenyl-d14	n/a	=	23.2	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srqt method blank, rec	11/10/2014	Organic	p-Terphenyl-d14	n/a	=	93	%	EPA 625	-88	-88	28	113	
2014/15-1	Lab	srqt LCS	11/10/2014	Organic	p-Terphenyl-d14	n/a	=	21.9	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srqt LCS, rec	11/10/2014	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 625	-88	-88	28	113	
2014/15-1	Lab	srqt LCS dup	11/10/2014	Organic	p-Terphenyl-d14	n/a	=	23.7	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srqt LCS dup, rec	11/10/2014	Organic	p-Terphenyl-d14	n/a	=	95	%	EPA 625	-88	-88	28	113	
2014/15-1	Lab	srqt method blank	11/17/2014	Organic	p-Terphenyl-d14	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srqt method blank, rec	11/17/2014	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 625	-88	-88	28	113	
2014/15-1	Lab	srqt LCS	11/17/2014	Organic	p-Terphenyl-d14	n/a	=	23.5	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srqt LCS, rec	11/17/2014	Organic	p-Terphenyl-d14	n/a	=	94	%	EPA 625	-88	-88	28	113	
2014/15-1	Lab	srqt LCS dup	11/17/2014	Organic	p-Terphenyl-d14	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2014/15-1	Lab	srqt LCS dup, rec	11/17/2014	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 625	-88	-88	28	113	
2014/15-1	ME-CC	srqt environ	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	3.89	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	ME-CC	srqt environ, rec	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	78	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	ME-CC	srqt environ	11/10/2014	Organic	p-Terphenyl-d14	n/a	=	12.2	µg/L	EPA 625	-88	-88			
2014/15-1	ME-CC	srqt environ, rec	11/10/2014	Organic	p-Terphenyl-d14	n/a	=	49	%	EPA 625	-88	-88	28	113	
2014/15-1	ME-VR2	srqt environ	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	3.94	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	ME-VR2	srqt environ, rec	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	ME-VR2	srqt environ	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	21.1	µg/L	EPA 625	-88	-88			
2014/15-1	ME-VR2	srqt environ, rec	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 625	-88	-88	28	113	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-CAM	srgt environ	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	3.37	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	67	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	MO-CAM	srgt environ	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	21	µg/L	EPA 625	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-FIL	srgt environ	11/8/2014	Organic	p-Terphenyl-d14	n/a	=	4.31	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/8/2014	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	MO-FIL	srgt environ	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	19	µg/L	EPA 625	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-HUE	srgt environ	11/8/2014	Organic	p-Terphenyl-d14	n/a	=	4.49	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/8/2014	Organic	p-Terphenyl-d14	n/a	=	94	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	MO-HUE	srgt environ	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	78	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-MEI	srgt environ	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	3.44	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	69	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	MO-MEI	srgt environ	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-MPK	srgt environ	11/8/2014	Organic	p-Terphenyl-d14	n/a	=	2.87	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/8/2014	Organic	p-Terphenyl-d14	n/a	=	57	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	MO-MPK	srgt environ	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-OJA	srgt environ	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	3.64	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	MO-OJA	srgt environ	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	21.9	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-OJA	srgt environ	11/18/2014	Organic	p-Terphenyl-d14	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/18/2014	Organic	p-Terphenyl-d14	n/a	=	78	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-OXN	srgt environ	11/8/2014	Organic	p-Terphenyl-d14	n/a	=	4.6	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/8/2014	Organic	p-Terphenyl-d14	n/a	=	92	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	MO-OXN	srgt environ	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	20	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-OXN	srgt environ	11/18/2014	Organic	p-Terphenyl-d14	n/a	=	20.4	µg/L	EPA 625	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/18/2014	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-SIM	srgt environ	11/8/2014	Organic	p-Terphenyl-d14	n/a	=	4.18	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/8/2014	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	MO-SIM	srgt environ	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-SIM	srgt environ	11/18/2014	Organic	p-Terphenyl-d14	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/18/2014	Organic	p-Terphenyl-d14	n/a	=	75	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-SPA	srgt environ	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	4.28	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	MO-SPA	srgt environ	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	20.3	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-SPA	srgt environ	11/18/2014	Organic	p-Terphenyl-d14	n/a	=	21.2	µg/L	EPA 625	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/18/2014	Organic	p-Terphenyl-d14	n/a	=	85	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-THO	srgt environ	11/8/2014	Organic	p-Terphenyl-d14	n/a	=	4.12	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/8/2014	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	MO-THO	srgt environ	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	19.9	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-THO	srgt environ, rec	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2014/15-1	MO-VEN	srgt environ	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	4.22	µg/L	EPA 8270Cm	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/7/2014	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 8270Cm	-88	-88	19	134	
2014/15-1	MO-VEN	srgt environ	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	20.5	µg/L	EPA 625	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/11/2014	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 625	-88	-88	28	113	
2014/15-1	Lab	method blank	11/7/2014	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS	11/7/2014	Organic	Pyrene	n/a	=	7.88	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS, rec	11/7/2014	Organic	Pyrene	n/a	=	79	%	EPA 8270Cm	-88	-88	26	128	
2014/15-1	Lab	LCS dup	11/7/2014	Organic	Pyrene	n/a	=	7.53	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-1	Lab	LCS dup, rec	11/7/2014	Organic	Pyrene	n/a	=	75	%	EPA 8270Cm	-88	-88	26	128	
2014/15-1	Lab	LCS, RPD	11/7/2014	Organic	Pyrene	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-1	Lab	LCS	11/10/2014	Organic	Pyrene	n/a	=	23.5	µg/L	EPA 625	0.25	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Organic	Pyrene	n/a	=	94	%	EPA 625	-88	-88	52	115	
2014/15-1	Lab	LCS dup	11/10/2014	Organic	Pyrene	n/a	=	25.2	µg/L	EPA 625	0.25	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Organic	Pyrene	n/a	=	101	%	EPA 625	-88	-88	52	115	
2014/15-1	Lab	LCS, RPD	11/10/2014	Organic	Pyrene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	srgt method blank	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0709	µg/L	EPA 608	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	71	%	EPA 608	-88	-88	12	117	
2014/15-1	Lab	srgt LCS	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0805	µg/L	EPA 608	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	81	%	EPA 608	-88	-88	12	117	
2014/15-1	Lab	srgt LCS dup	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0785	µg/L	EPA 608	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	78	%	EPA 608	-88	-88	12	117	
2014/15-1	ME-CC	srgt environ	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0351	µg/L	EPA 608	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	37	%	EPA 608	-88	-88	12	117	
2014/15-1	ME-VR2	srgt environ	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0554	µg/L	EPA 608	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	58	%	EPA 608	-88	-88	12	117	
2014/15-1	MO-CAM	srgt environ	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0427	µg/L	EPA 608	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	45	%	EPA 608	-88	-88	12	117	
2014/15-1	MO-FIL	srgt environ	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0437	µg/L	EPA 608	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	44	%	EPA 608	-88	-88	12	117	
2014/15-1	MO-HUE	srgt environ	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0288	µg/L	EPA 608	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	30	%	EPA 608	-88	-88	12	117	
2014/15-1	MO-MEI	srgt environ	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0292	µg/L	EPA 608	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	29	%	EPA 608	-88	-88	12	117	
2014/15-1	MO-MPK	srgt environ	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0394	µg/L	EPA 608	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	41	%	EPA 608	-88	-88	12	117	
2014/15-1	MO-OJA	srgt environ	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0416	µg/L	EPA 608	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/5/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	42	%	EPA 608	-88	-88	12	117	
2014/15-1	MO-OXN	srgt environ	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0441	µg/L	EPA 608	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	44	%	EPA 608	-88	-88	12	117	
2014/15-1	MO-SIM	srgt environ	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0337	µg/L	EPA 608	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	34	%	EPA 608	-88	-88	12	117	
2014/15-1	MO-SPA	srgt environ	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.046	µg/L	EPA 608	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	46	%	EPA 608	-88	-88	12	117	
2014/15-1	MO-THO	srgt environ	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.041	µg/L	EPA 608	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	41	%	EPA 608	-88	-88	12	117	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-VEN	srgt environ	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0438	µg/L	EPA 608	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/6/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	46	%	EPA 608	-88	-88	12	117	
2014/15-1	Lab	srgt LCS	11/4/2014	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/4/2014	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-1	Lab	srgt LCS dup	11/4/2014	Organic	Toluene-d8	n/a	=	52.6	µg/L	EPA 624	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/4/2014	Organic	Toluene-d8	n/a	=	105	%	EPA 624	-88	-88	92	112	
2014/15-1	Lab	srgt method blank	11/4/2014	Organic	Toluene-d8	n/a	=	48.6	µg/L	EPA 624	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/4/2014	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2014/15-1	ME-CC	srgt environ	11/5/2014	Organic	Toluene-d8	n/a	=	48.5	µg/L	EPA 624	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/5/2014	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2014/15-1	ME-CC	srgt matrix spike	11/5/2014	Organic	Toluene-d8	n/a	=	48.9	µg/L	EPA 624	-88	-88			
2014/15-1	ME-CC	srgt matrix spike, rec	11/5/2014	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2014/15-1	ME-CC	srgt matrix spike dup	11/5/2014	Organic	Toluene-d8	n/a	=	49.1	µg/L	EPA 624	-88	-88			
2014/15-1	ME-CC	srgt matrix spike dup, rec	11/5/2014	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2014/15-1	ME-VR2	srgt environ	11/5/2014	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/5/2014	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-1	MO-CAM	srgt environ	11/5/2014	Organic	Toluene-d8	n/a	=	48.6	µg/L	EPA 624	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/5/2014	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2014/15-1	MO-FIL	srgt environ	11/5/2014	Organic	Toluene-d8	n/a	=	48.2	µg/L	EPA 624	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/5/2014	Organic	Toluene-d8	n/a	=	96	%	EPA 624	-88	-88	92	112	
2014/15-1	MO-HUE	srgt environ	11/5/2014	Organic	Toluene-d8	n/a	=	48.1	µg/L	EPA 624	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/5/2014	Organic	Toluene-d8	n/a	=	96	%	EPA 624	-88	-88	92	112	
2014/15-1	MO-MEI	srgt environ	11/5/2014	Organic	Toluene-d8	n/a	=	48.7	µg/L	EPA 624	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/5/2014	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2014/15-1	MO-MPK	srgt environ	11/5/2014	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/5/2014	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-1	MO-OJA	srgt environ	11/5/2014	Organic	Toluene-d8	n/a	=	47.5	µg/L	EPA 624	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/5/2014	Organic	Toluene-d8	n/a	=	95	%	EPA 624	-88	-88	92	112	
2014/15-1	MO-OXN	srgt environ	11/5/2014	Organic	Toluene-d8	n/a	=	47.5	µg/L	EPA 624	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/5/2014	Organic	Toluene-d8	n/a	=	95	%	EPA 624	-88	-88	92	112	
2014/15-1	MO-SIM	srgt environ	11/5/2014	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/5/2014	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-1	MO-THO	srgt field duplicate	11/5/2014	Organic	Toluene-d8	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2014/15-1	MO-THO	srgt field duplicate, rec	11/5/2014	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2014/15-1	MO-THO	srgt environ	11/5/2014	Organic	Toluene-d8	n/a	=	49	µg/L	EPA 624	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/5/2014	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2014/15-1	MO-VEN	srgt environ	11/5/2014	Organic	Toluene-d8	n/a	=	48.2	µg/L	EPA 624	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/5/2014	Organic	Toluene-d8	n/a	=	96	%	EPA 624	-88	-88	92	112	
2014/15-1	000NONPJ	srgt matrix spike	11/19/2014	Organic	Triphenylphosphate	n/a	=	0.643	µg/L	EPA 525.2m	-88	-88			
2014/15-1	000NONPJ	srgt matrix spike, rec	11/19/2014	Organic	Triphenylphosphate	n/a	=	129	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	000NONPJ	srgt matrix spike dup	11/19/2014	Organic	Triphenylphosphate	n/a	=	0.625	µg/L	EPA 525.2m	-88	-88			
2014/15-1	000NONPJ	srgt matrix spike dup, rec	11/19/2014	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	000NONPJ	srgt matrix spike	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.634	µg/L	EPA 525.2m	-88	-88			
2014/15-1	000NONPJ	srgt matrix spike, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	127	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	000NONPJ	srgt matrix spike dup	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.638	µg/L	EPA 525.2m	-88	-88			
2014/15-1	000NONPJ	srgt matrix spike dup, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	Lab	srgt method blank	11/6/2014	Organic	Triphenylphosphate	n/a	=	6.37	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	srgt method blank, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	127	%	EPA 525.2	-88	-88	70	149	
2014/15-1	Lab	srgt LCS	11/6/2014	Organic	Triphenylphosphate	n/a	=	6.67	µg/L	EPA 525.2	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	133	%	EPA 525.2	-88	-88	70	149	
2014/15-1	Lab	srgt LCS dup	11/6/2014	Organic	Triphenylphosphate	n/a	=	6.32	µg/L	EPA 525.2	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	126	%	EPA 525.2	-88	-88	70	149	
2014/15-1	Lab	srgt method blank	11/19/2014	Organic	Triphenylphosphate	n/a	=	0.728	µg/L	EPA 525.2m	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/19/2014	Organic	Triphenylphosphate	n/a	=	146	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	Lab	srgt LCS	11/19/2014	Organic	Triphenylphosphate	n/a	=	0.78	µg/L	EPA 525.2m	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/19/2014	Organic	Triphenylphosphate	n/a	=	156	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	Lab	srgt method blank	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.626	µg/L	EPA 525.2m	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	Lab	srgt LCS	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.688	µg/L	EPA 525.2m	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	138	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	ME-CC	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	5.04	µg/L	EPA 525.2	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	101	%	EPA 525.2	-88	-88	70	149	
2014/15-1	ME-CC	srgt environ	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.733	µg/L	EPA 525.2m	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	147	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	ME-VR2	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	5.21	µg/L	EPA 525.2	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	104	%	EPA 525.2	-88	-88	70	149	
2014/15-1	ME-VR2	srgt environ	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.642	µg/L	EPA 525.2m	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	MO-CAM	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	1.65	µg/L	EPA 525.2	-88	-88			GN
2014/15-1	MO-CAM	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	33	%	EPA 525.2	-88	-88	70	149	GN
2014/15-1	MO-CAM	srgt environ	11/19/2014	Organic	Triphenylphosphate	n/a	=	1.17	µg/L	EPA 525.2m	-88	-88			GN
2014/15-1	MO-CAM	srgt environ, rec	11/19/2014	Organic	Triphenylphosphate	n/a	=	234	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-1	MO-FIL	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	2.11	µg/L	EPA 525.2	-88	-88			GN
2014/15-1	MO-FIL	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	38	%	EPA 525.2	-88	-88	70	149	GN
2014/15-1	MO-FIL	srgt environ	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.671	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	134	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	MO-HUE	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	1.68	µg/L	EPA 525.2	-88	-88			GN
2014/15-1	MO-HUE	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	30	%	EPA 525.2	-88	-88	70	149	GN
2014/15-1	MO-HUE	srgt environ	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.633	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	127	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	MO-MEI	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	1.63	µg/L	EPA 525.2	-88	-88			GN
2014/15-1	MO-MEI	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	31	%	EPA 525.2	-88	-88	70	149	GN
2014/15-1	MO-MEI	srgt environ	11/19/2014	Organic	Triphenylphosphate	n/a	=	0.665	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/19/2014	Organic	Triphenylphosphate	n/a	=	133	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	MO-MPK	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	2.28	µg/L	EPA 525.2	-88	-88			GN
2014/15-1	MO-MPK	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	39	%	EPA 525.2	-88	-88	70	149	GN
2014/15-1	MO-MPK	srgt environ	11/19/2014	Organic	Triphenylphosphate	n/a	=	1.12	µg/L	EPA 525.2m	-88	-88			GN
2014/15-1	MO-MPK	srgt environ, rec	11/19/2014	Organic	Triphenylphosphate	n/a	=	223	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-1	MO-OJA	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	1.42	µg/L	EPA 525.2	-88	-88			GN
2014/15-1	MO-OJA	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	26	%	EPA 525.2	-88	-88	70	149	GN
2014/15-1	MO-OJA	srgt environ	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.727	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	145	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	MO-OXN	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	1.71	µg/L	EPA 525.2	-88	-88			GN
2014/15-1	MO-OXN	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	32	%	EPA 525.2	-88	-88	70	149	GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-OXN	srgt environ	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.654	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	131	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	MO-SIM	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	2.71	µg/L	EPA 525.2	-88	-88			GN
2014/15-1	MO-SIM	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	51	%	EPA 525.2	-88	-88	70	149	GN
2014/15-1	MO-SIM	srgt environ	11/19/2014	Organic	Triphenylphosphate	n/a	=	0.72	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/19/2014	Organic	Triphenylphosphate	n/a	=	144	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	MO-SPA	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	1.64	µg/L	EPA 525.2	-88	-88			GN
2014/15-1	MO-SPA	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	30	%	EPA 525.2	-88	-88	70	149	GN
2014/15-1	MO-SPA	srgt environ	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.739	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	148	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	MO-THO	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	2.21	µg/L	EPA 525.2	-88	-88			GN
2014/15-1	MO-THO	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	40	%	EPA 525.2	-88	-88	70	149	GN
2014/15-1	MO-THO	srgt environ	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.64	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-THO	srgt environ, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	MO-VEN	srgt environ	11/6/2014	Organic	Triphenylphosphate	n/a	=	1.7	µg/L	EPA 525.2	-88	-88			GN
2014/15-1	MO-VEN	srgt environ, rec	11/6/2014	Organic	Triphenylphosphate	n/a	=	32	%	EPA 525.2	-88	-88	70	149	GN
2014/15-1	MO-VEN	srgt environ	11/20/2014	Organic	Triphenylphosphate	n/a	=	0.756	µg/L	EPA 525.2m	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/20/2014	Organic	Triphenylphosphate	n/a	=	151	%	EPA 525.2m	-88	-88	40	163	
2014/15-1	Lab	srgt method blank	11/5/2014	PCB	PCB 209	n/a	=	0.0804	µg/L	EPA 608	-88	-88			
2014/15-1	Lab	srgt method blank, rec	11/5/2014	PCB	PCB 209	n/a	=	80	%	EPA 608	-88	-88	0.1	118	
2014/15-1	Lab	srgt LCS	11/5/2014	PCB	PCB 209	n/a	=	0.0981	µg/L	EPA 608	-88	-88			
2014/15-1	Lab	srgt LCS, rec	11/5/2014	PCB	PCB 209	n/a	=	98	%	EPA 608	-88	-88	0.1	118	
2014/15-1	Lab	srgt LCS dup	11/5/2014	PCB	PCB 209	n/a	=	0.092	µg/L	EPA 608	-88	-88			
2014/15-1	Lab	srgt LCS dup, rec	11/5/2014	PCB	PCB 209	n/a	=	92	%	EPA 608	-88	-88	0.1	118	
2014/15-1	ME-CC	srgt environ	11/5/2014	PCB	PCB 209	n/a	=	0.0395	µg/L	EPA 608	-88	-88			
2014/15-1	ME-CC	srgt environ, rec	11/5/2014	PCB	PCB 209	n/a	=	42	%	EPA 608	-88	-88	0.1	118	
2014/15-1	ME-VR2	srgt environ	11/5/2014	PCB	PCB 209	n/a	=	0.0626	µg/L	EPA 608	-88	-88			
2014/15-1	ME-VR2	srgt environ, rec	11/5/2014	PCB	PCB 209	n/a	=	66	%	EPA 608	-88	-88	0.1	118	
2014/15-1	MO-CAM	srgt environ	11/5/2014	PCB	PCB 209	n/a	=	0.0435	µg/L	EPA 608	-88	-88			
2014/15-1	MO-CAM	srgt environ, rec	11/5/2014	PCB	PCB 209	n/a	=	46	%	EPA 608	-88	-88	0.1	118	
2014/15-1	MO-FIL	srgt environ	11/6/2014	PCB	PCB 209	n/a	=	0.0456	µg/L	EPA 608	-88	-88			
2014/15-1	MO-FIL	srgt environ, rec	11/6/2014	PCB	PCB 209	n/a	=	46	%	EPA 608	-88	-88	0.1	118	
2014/15-1	MO-HUE	srgt environ	11/6/2014	PCB	PCB 209	n/a	=	0.043	µg/L	EPA 608	-88	-88			
2014/15-1	MO-HUE	srgt environ, rec	11/6/2014	PCB	PCB 209	n/a	=	45	%	EPA 608	-88	-88	0.1	118	
2014/15-1	MO-MEI	srgt environ	11/5/2014	PCB	PCB 209	n/a	=	0.0287	µg/L	EPA 608	-88	-88			
2014/15-1	MO-MEI	srgt environ, rec	11/5/2014	PCB	PCB 209	n/a	=	29	%	EPA 608	-88	-88	0.1	118	
2014/15-1	MO-MPK	srgt environ	11/6/2014	PCB	PCB 209	n/a	=	0.038	µg/L	EPA 608	-88	-88			
2014/15-1	MO-MPK	srgt environ, rec	11/6/2014	PCB	PCB 209	n/a	=	40	%	EPA 608	-88	-88	0.1	118	
2014/15-1	MO-OJA	srgt environ	11/5/2014	PCB	PCB 209	n/a	=	0.0273	µg/L	EPA 608	-88	-88			
2014/15-1	MO-OJA	srgt environ, rec	11/5/2014	PCB	PCB 209	n/a	=	27	%	EPA 608	-88	-88	0.1	118	
2014/15-1	MO-OXN	srgt environ	11/6/2014	PCB	PCB 209	n/a	=	0.0485	µg/L	EPA 608	-88	-88			
2014/15-1	MO-OXN	srgt environ, rec	11/6/2014	PCB	PCB 209	n/a	=	49	%	EPA 608	-88	-88	0.1	118	
2014/15-1	MO-SIM	srgt environ	11/6/2014	PCB	PCB 209	n/a	=	0.0464	µg/L	EPA 608	-88	-88			
2014/15-1	MO-SIM	srgt environ, rec	11/6/2014	PCB	PCB 209	n/a	=	46	%	EPA 608	-88	-88	0.1	118	
2014/15-1	MO-SPA	srgt environ	11/6/2014	PCB	PCB 209	n/a	=	0.0348	µg/L	EPA 608	-88	-88			
2014/15-1	MO-SPA	srgt environ, rec	11/6/2014	PCB	PCB 209	n/a	=	35	%	EPA 608	-88	-88	0.1	118	
2014/15-1	MO-THO	srgt environ	11/6/2014	PCB	PCB 209	n/a	=	0.0496	µg/L	EPA 608	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	MO-THO	srgt environ, rec	11/6/2014	PCB	PCB 209	n/a	=	50	%	EPA 608	-88	-88	0.1	118	
2014/15-1	MO-VEN	srgt environ	11/6/2014	PCB	PCB 209	n/a	=	0.0349	µg/L	EPA 608	-88	-88			
2014/15-1	MO-VEN	srgt environ, rec	11/6/2014	PCB	PCB 209	n/a	=	37	%	EPA 608	-88	-88	0.1	118	
2014/15-1	Lab	method blank	11/5/2014	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2014/15-1	Lab	method blank	11/5/2014	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-1	Lab	method blank	11/5/2014	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2014/15-1	Lab	method blank	11/5/2014	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2014/15-1	Lab	method blank	11/5/2014	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-1	Lab	method blank	11/5/2014	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-1	Lab	method blank	11/5/2014	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	2,4,5-T	n/a	=	4.09	µg/L	EPA 515.3	0.07	0.2			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	2,4,5-T	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	2,4,5-T	n/a	=	4.24	µg/L	EPA 515.3	0.07	0.2			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	2,4,5-T	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	2,4,5-T	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	2,4,5-T	n/a	=	3.4	µg/L	EPA 515.3	0.07	0.2			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	2,4,5-T	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	2,4,5-T	n/a	=	3.34	µg/L	EPA 515.3	0.07	0.2			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	2,4,5-T	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	2,4,5-T	n/a	=	3.33	µg/L	EPA 515.3	0.07	0.2			
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	2,4,5-T	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	2,4,5-T	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	2,4,5-TP	n/a	=	3.86	µg/L	EPA 515.3	0.09	0.2			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	2,4,5-TP	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	2,4,5-TP	n/a	=	4.03	µg/L	EPA 515.3	0.09	0.2			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	2,4,5-TP	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	2,4,5-TP	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	2,4,5-TP	n/a	=	3.51	µg/L	EPA 515.3	0.09	0.2			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	2,4,5-TP	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	2,4,5-TP	n/a	=	3.53	µg/L	EPA 515.3	0.09	0.2			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	2,4,5-TP	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	2,4,5-TP	n/a	=	3.52	µg/L	EPA 515.3	0.09	0.2			
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	2,4,5-TP	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	2,4,5-TP	n/a	=	0.2	%	EPA 515.3	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	2,4-D	n/a	=	9.36	µg/L	EPA 515.3	0.07	0.4			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	2,4-D	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	2,4-D	n/a	=	9.56	µg/L	EPA 515.3	0.07	0.4			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	2,4-D	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	2,4-D	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	2,4-D	n/a	=	8.53	µg/L	EPA 515.3	0.07	0.4			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	2,4-D	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	2,4-D	n/a	=	8.72	µg/L	EPA 515.3	0.07	0.4			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	2,4-D	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	2,4-D	n/a	=	8.71	µg/L	EPA 515.3	0.07	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	2,4-D	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	2,4-D	n/a	=	0.1	%	EPA 515.3	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	2,4-DB	n/a	=	17.5	µg/L	EPA 515.3	0.07	2			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	2,4-DB	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	2,4-DB	n/a	=	18	µg/L	EPA 515.3	0.07	2			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	2,4-DB	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	2,4-DB	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	2,4-DB	n/a	=	13.7	µg/L	EPA 515.3	0.07	2			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	2,4-DB	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	2,4-DB	n/a	=	15.2	µg/L	EPA 515.3	0.07	2			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	2,4-DB	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	2,4-DB	n/a	=	15.1	µg/L	EPA 515.3	0.07	2			
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	2,4-DB	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	2,4-DB	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.47	µg/L	EPA 515.3	0.09	1			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.62	µg/L	EPA 515.3	0.09	1			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	6.95	µg/L	EPA 515.3	0.09	1			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.17	µg/L	EPA 515.3	0.09	1			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.22	µg/L	EPA 515.3	0.09	1			
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	4,4'-DDD	n/a	=	0.0964	µg/L	EPA 608	0.003	0.05			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	4,4'-DDD	n/a	=	96	%	EPA 608	-88	-88	42	133	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	4,4'-DDD	n/a	=	0.0977	µg/L	EPA 608	0.003	0.05			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	4,4'-DDD	n/a	=	98	%	EPA 608	-88	-88	42	133	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	4,4'-DDD	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	4,4'-DDE	n/a	=	0.1	µg/L	EPA 608	0.0025	0.05			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	4,4'-DDE	n/a	=	100	%	EPA 608	-88	-88	33	126	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	4,4'-DDE	n/a	=	0.105	µg/L	EPA 608	0.0025	0.05			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	4,4'-DDE	n/a	=	105	%	EPA 608	-88	-88	33	126	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	4,4'-DDE	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	4,4'-DDT	n/a	=	0.106	µg/L	EPA 608	0.0031	0.01			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	4,4'-DDT	n/a	=	106	%	EPA 608	-88	-88	35	147	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	4,4'-DDT	n/a	=	0.107	µg/L	EPA 608	0.0031	0.01			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	4,4'-DDT	n/a	=	107	%	EPA 608	-88	-88	35	147	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	4,4'-DDT	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	Acifluorfen	n/a	=	4.65	µg/L	EPA 515.3	0.06	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	Acifluorfen	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	Acifluorfen	n/a	=	4.99	µg/L	EPA 515.3	0.06	0.4			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	Acifluorfen	n/a	=	125	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	Acifluorfen	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	Acifluorfen	n/a	=	3.83	µg/L	EPA 515.3	0.06	0.4			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	Acifluorfen	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	Acifluorfen	n/a	=	4.12	µg/L	EPA 515.3	0.06	0.4			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	Acifluorfen	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	Acifluorfen	n/a	=	4.13	µg/L	EPA 515.3	0.06	0.4			
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	Acifluorfen	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	Acifluorfen	n/a	=	0.07	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Alachlor	n/a	=	4.07	µg/L	EPA 525.2	0.022	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Alachlor	n/a	=	81	%	EPA 525.2	-88	-88	55	124	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Alachlor	n/a	=	4.2	µg/L	EPA 525.2	0.022	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Alachlor	n/a	=	84	%	EPA 525.2	-88	-88	55	124	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Alachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	Aldrin	n/a	=	0.0876	µg/L	EPA 608	0.0015	0.005			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	Aldrin	n/a	=	88	%	EPA 608	-88	-88	18	117	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	Aldrin	n/a	=	0.0913	µg/L	EPA 608	0.0015	0.005			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	Aldrin	n/a	=	91	%	EPA 608	-88	-88	18	117	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	Aldrin	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	alpha-BHC	n/a	=	0.0924	µg/L	EPA 608	0.0018	0.01			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	alpha-BHC	n/a	=	92	%	EPA 608	-88	-88	47	119	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	alpha-BHC	n/a	=	0.0966	µg/L	EPA 608	0.0018	0.01			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	alpha-BHC	n/a	=	97	%	EPA 608	-88	-88	47	119	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	alpha-BHC	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Atrazine	n/a	=	5.59	µg/L	EPA 525.2	0.034	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Atrazine	n/a	=	112	%	EPA 525.2	-88	-88	67	131	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Atrazine	n/a	=	5.72	µg/L	EPA 525.2	0.034	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Atrazine	n/a	=	114	%	EPA 525.2	-88	-88	67	131	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Atrazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Azinphos methyl	n/a	=	0.0854	µg/L	EPA 525.2m	0.0055	0.01			GB
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Azinphos methyl	n/a	=	171	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Azinphos methyl	n/a	=	0.0812	µg/L	EPA 525.2m	0.0055	0.01			GB
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Azinphos methyl	n/a	=	162	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Azinphos methyl	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Azinphos methyl	n/a	=	0.0503	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Azinphos methyl	n/a	=	101	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Azinphos methyl	n/a	=	0.045	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Azinphos methyl	n/a	=	90	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Azinphos methyl	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Azinphos methyl	n/a	=	0.0932	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Azinphos methyl	n/a	=	186	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Azinphos methyl	n/a	=	0.0313	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Azinphos methyl	n/a	=	63	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	Bentazon	n/a	=	17.8	µg/L	EPA 515.3	0.11	2			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	Bentazon	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	Bentazon	n/a	=	17.4	µg/L	EPA 515.3	0.11	2			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	Bentazon	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	Bentazon	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	Bentazon	n/a	=	14.1	µg/L	EPA 515.3	0.11	2			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	Bentazon	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	Bentazon	n/a	=	13.8	µg/L	EPA 515.3	0.11	2			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	Bentazon	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	Bentazon	n/a	=	13.8	µg/L	EPA 515.3	0.11	2			
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	Bentazon	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	Bentazon	n/a	=	0.007	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	beta-BHC	n/a	=	0.101	µg/L	EPA 608	0.0031	0.005			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	beta-BHC	n/a	=	101	%	EPA 608	-88	-88	53	123	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	beta-BHC	n/a	=	0.105	µg/L	EPA 608	0.0031	0.005			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	beta-BHC	n/a	=	105	%	EPA 608	-88	-88	53	123	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	beta-BHC	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Bolstar	n/a	=	0.0503	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Bolstar	n/a	=	101	%	EPA 525.2m	-88	-88	4	184	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Bolstar	n/a	=	0.047	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Bolstar	n/a	=	94	%	EPA 525.2m	-88	-88	4	184	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Bolstar	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Bolstar	n/a	=	0.04	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Bolstar	n/a	=	80	%	EPA 525.2m	-88	-88	4	184	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Bolstar	n/a	=	0.0319	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Bolstar	n/a	=	64	%	EPA 525.2m	-88	-88	4	184	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Bolstar	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Bolstar	n/a	=	0.0513	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Bolstar	n/a	=	103	%	EPA 525.2m	-88	-88	11	166	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Bolstar	n/a	=	0.0422	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Bolstar	n/a	=	84	%	EPA 525.2m	-88	-88	11	166	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Bromacil	n/a	=	5.14	µg/L	EPA 525.2	0.038	1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Bromacil	n/a	=	103	%	EPA 525.2	-88	-88	62	139	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Bromacil	n/a	=	5.27	µg/L	EPA 525.2	0.038	1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Bromacil	n/a	=	105	%	EPA 525.2	-88	-88	62	139	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Bromacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Butachlor	n/a	=	4.29	µg/L	EPA 525.2	0.017	0.2			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Butachlor	n/a	=	86	%	EPA 525.2	-88	-88	61	127	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Butachlor	n/a	=	4.32	µg/L	EPA 525.2	0.017	0.2			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Butachlor	n/a	=	86	%	EPA 525.2	-88	-88	61	127	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Butachlor	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Captan	n/a	=	6.11	µg/L	EPA 525.2	0.86	1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Captan	n/a	=	122	%	EPA 525.2	-88	-88	14	159	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Captan	n/a	=	6.15	µg/L	EPA 525.2	0.86	1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Captan	n/a	=	123	%	EPA 525.2	-88	-88	14	159	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Captan	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Chlorpropham	n/a	=	5.48	µg/L	EPA 525.2	0.01	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Chlorpropham	n/a	=	110	%	EPA 525.2	-88	-88	77	143	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Chlorpropham	n/a	=	5.86	µg/L	EPA 525.2	0.01	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Chlorpropham	n/a	=	117	%	EPA 525.2	-88	-88	77	143	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Chlorpropham	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Chlorpyrifos	n/a	=	0.0559	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Chlorpyrifos	n/a	=	112	%	EPA 525.2m	-88	-88	37	168	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Chlorpyrifos	n/a	=	0.0547	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Chlorpyrifos	n/a	=	109	%	EPA 525.2m	-88	-88	37	168	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Chlorpyrifos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Chlorpyrifos	n/a	=	0.0561	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Chlorpyrifos	n/a	=	112	%	EPA 525.2m	-88	-88	37	168	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Chlorpyrifos	n/a	=	0.0557	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Chlorpyrifos	n/a	=	111	%	EPA 525.2m	-88	-88	37	168	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Chlorpyrifos	n/a	=	0.7	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Chlorpyrifos	n/a	=	0.0503	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Chlorpyrifos	n/a	=	101	%	EPA 525.2m	-88	-88	37	169	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Chlorpyrifos	n/a	=	0.0495	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Chlorpyrifos	n/a	=	99	%	EPA 525.2m	-88	-88	37	169	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Coumaphos	n/a	=	0.0626	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Coumaphos	n/a	=	125	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Coumaphos	n/a	=	0.0585	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Coumaphos	n/a	=	117	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Coumaphos	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Coumaphos	n/a	=	0.0571	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Coumaphos	n/a	=	114	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Coumaphos	n/a	=	0.0538	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Coumaphos	n/a	=	108	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Coumaphos	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Coumaphos	n/a	=	0.0747	µg/L	EPA 525.2m	0.0051	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Coumaphos	n/a	=	149	%	EPA 525.2m	-88	-88	0.1	225	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Coumaphos	n/a	=	0.0506	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Coumaphos	n/a	=	101	%	EPA 525.2m	-88	-88	0.1	225	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Cyanazine	n/a	=	5.64	µg/L	EPA 525.2	0.024	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Cyanazine	n/a	=	113	%	EPA 525.2	-88	-88	61	129	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Cyanazine	n/a	=	5.85	µg/L	EPA 525.2	0.024	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Cyanazine	n/a	=	117	%	EPA 525.2	-88	-88	61	129	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Cyanazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	Dalapon	n/a	=	7.74	µg/L	EPA 515.3	0.1	0.4			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	Dalapon	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	Dalapon	n/a	=	8.51	µg/L	EPA 515.3	0.1	0.4			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	Dalapon	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	Dalapon	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	Dalapon	n/a	=	7.46	µg/L	EPA 515.3	0.1	0.4			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	Dalapon	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	Dalapon	n/a	=	8.08	µg/L	EPA 515.3	0.1	0.4			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	Dalapon	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	Dalapon	n/a	=	8.12	µg/L	EPA 515.3	0.1	0.4			
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	Dalapon	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	Dalapon	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	DCPA (Dacthal)	n/a	=	3.38	µg/L	EPA 515.3	0.07	0.1			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	DCPA (Dacthal)	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	DCPA (Dacthal)	n/a	=	3.51	µg/L	EPA 515.3	0.07	0.1			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	DCPA (Dacthal)	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	DCPA (Dacthal)	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	DCPA (Dacthal)	n/a	=	2.78	µg/L	EPA 515.3	0.07	0.1			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	DCPA (Dacthal)	n/a	=	70	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	DCPA (Dacthal)	n/a	=	3.29	µg/L	EPA 515.3	0.07	0.1			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	DCPA (Dacthal)	n/a	=	82	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	DCPA (Dacthal)	n/a	=	3.29	µg/L	EPA 515.3	0.07	0.1			
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	DCPA (Dacthal)	n/a	=	82	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	DCPA (Dacthal)	n/a	=	0.03	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	delta-BHC	n/a	=	0.107	µg/L	EPA 608	0.0025	0.005			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	delta-BHC	n/a	=	107	%	EPA 608	-88	-88	51	123	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	delta-BHC	n/a	=	0.112	µg/L	EPA 608	0.0025	0.005			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	delta-BHC	n/a	=	112	%	EPA 608	-88	-88	51	123	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	delta-BHC	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Demeton-O	n/a	=	0.0391	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Demeton-O	n/a	=	78	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Demeton-O	n/a	=	0.0368	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Demeton-O	n/a	=	74	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Demeton-O	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Demeton-O	n/a	=	0.0429	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Demeton-O	n/a	=	86	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Demeton-O	n/a	=	0.0319	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Demeton-O	n/a	=	64	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Demeton-O	n/a	=	29	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Demeton-O	n/a	=	0.0251	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Demeton-O	n/a	=	50	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Demeton-O	n/a	=	0.0326	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Demeton-O	n/a	=	65	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Demeton-S	n/a	=	0.0391	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Demeton-S	n/a	=	78	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Demeton-S	n/a	=	0.0368	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Demeton-S	n/a	=	74	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Demeton-S	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Demeton-S	n/a	=	0.0429	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Demeton-S	n/a	=	86	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Demeton-S	n/a	=	0.0319	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Demeton-S	n/a	=	64	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Demeton-S	n/a	=	29	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Demeton-S	n/a	=	0.0251	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Demeton-S	n/a	=	50	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Demeton-S	n/a	=	0.0326	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Demeton-S	n/a	=	65	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Diazinon	n/a	=	0.0177	µg/L	EPA 525.2m	0.0052	0.01			GB
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Diazinon	n/a	=	35	%	EPA 525.2m	-88	-88	36	153	GB
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Diazinon	n/a	=	0.0136	µg/L	EPA 525.2m	0.0052	0.01			GB
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Diazinon	n/a	=	27	%	EPA 525.2m	-88	-88	36	153	GB
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Diazinon	n/a	=	26	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Diazinon	n/a	=	0.0281	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Diazinon	n/a	=	56	%	EPA 525.2m	-88	-88	36	153	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Diazinon	n/a	=	0.0218	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Diazinon	n/a	=	44	%	EPA 525.2m	-88	-88	36	153	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Diazinon	n/a	=	26	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Diazinon	n/a	=	3.21	µg/L	EPA 525.2	0.096	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Diazinon	n/a	=	64	%	EPA 525.2	-88	-88	30	120	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Diazinon	n/a	=	3.35	µg/L	EPA 525.2	0.096	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Diazinon	n/a	=	67	%	EPA 525.2	-88	-88	30	120	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Diazinon	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Diazinon	n/a	=	0.0131	µg/L	EPA 525.2m	0.0052	0.01			EUM
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Diazinon	n/a	=	26	%	EPA 525.2m	-88	-88	43	152	EUM
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Diazinon	n/a	=	0.0222	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Diazinon	n/a	=	44	%	EPA 525.2m	-88	-88	43	152	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	Dicamba	n/a	=	7.2	µg/L	EPA 515.3	0.12	0.6			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	Dicamba	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	Dicamba	n/a	=	7.28	µg/L	EPA 515.3	0.12	0.6			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	Dicamba	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	Dicamba	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	Dicamba	n/a	=	6.86	µg/L	EPA 515.3	0.12	0.6			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	Dicamba	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	Dicamba	n/a	=	7.2	µg/L	EPA 515.3	0.12	0.6			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	Dicamba	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	Dicamba	n/a	=	7.27	µg/L	EPA 515.3	0.12	0.6			
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	Dicamba	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	Dicamba	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	Dichlorprop	n/a	=	8.9	µg/L	EPA 515.3	0.08	0.3			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	Dichlorprop	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	Dichlorprop	n/a	=	9.16	µg/L	EPA 515.3	0.08	0.3			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	Dichlorprop	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	Dichlorprop	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	Dichlorprop	n/a	=	7.62	µg/L	EPA 515.3	0.08	0.3			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	Dichlorprop	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	Dichlorprop	n/a	=	8.11	µg/L	EPA 515.3	0.08	0.3			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	Dichlorprop	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	Dichlorprop	n/a	=	8.21	µg/L	EPA 515.3	0.08	0.3			
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	Dichlorprop	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	Dichlorprop	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Dichlorvos	n/a	=	0.058	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Dichlorvos	n/a	=	92	%	EPA 525.2m	-88	-88	42	137	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Dichlorvos	n/a	=	0.0547	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Dichlorvos	n/a	=	85	%	EPA 525.2m	-88	-88	42	137	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Dichlorvos	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Dichlorvos	n/a	=	0.0478	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Dichlorvos	n/a	=	96	%	EPA 525.2m	-88	-88	42	137	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Dichlorvos	n/a	=	0.0479	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Dichlorvos	n/a	=	96	%	EPA 525.2m	-88	-88	42	137	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Dichlorvos	n/a	=	0.1	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Dichlorvos	n/a	=	0.0436	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Dichlorvos	n/a	=	87	%	EPA 525.2m	-88	-88	46	133	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Dichlorvos	n/a	=	0.0412	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Dichlorvos	n/a	=	82	%	EPA 525.2m	-88	-88	46	133	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	Dieldrin	n/a	=	0.0953	µg/L	EPA 608	0.0021	0.01			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	Dieldrin	n/a	=	95	%	EPA 608	-88	-88	48	123	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	Dieldrin	n/a	=	0.0999	µg/L	EPA 608	0.0021	0.01			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	Dieldrin	n/a	=	100	%	EPA 608	-88	-88	48	123	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	Dieldrin	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Dimethoate	n/a	=	0.025	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Dimethoate	n/a	=	50	%	EPA 525.2m	-88	-88	4	222	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Dimethoate	n/a	=	0.0258	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Dimethoate	n/a	=	52	%	EPA 525.2m	-88	-88	4	222	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Dimethoate	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Dimethoate	n/a	=	0.0509	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Dimethoate	n/a	=	102	%	EPA 525.2m	-88	-88	4	222	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Dimethoate	n/a	=	0.0437	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Dimethoate	n/a	=	87	%	EPA 525.2m	-88	-88	4	222	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Dimethoate	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Dimethoate	n/a	=	5.02	µg/L	EPA 525.2	0.024	0.2			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Dimethoate	n/a	=	100	%	EPA 525.2	-88	-88	38	102	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Dimethoate	n/a	=	5.19	µg/L	EPA 525.2	0.024	0.2			EUM
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Dimethoate	n/a	=	104	%	EPA 525.2	-88	-88	38	102	EUM
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Dimethoate	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Dimethoate	n/a	=	0.0394	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Dimethoate	n/a	=	79	%	EPA 525.2m	-88	-88	10	234	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Dimethoate	n/a	=	0.0309	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Dimethoate	n/a	=	62	%	EPA 525.2m	-88	-88	10	234	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	Dinoseb	n/a	=	4.33	µg/L	EPA 515.3	0.14	0.4			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	Dinoseb	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	Dinoseb	n/a	=	5.08	µg/L	EPA 515.3	0.14	0.4			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	Dinoseb	n/a	=	127	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	Dinoseb	n/a	=	16	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	Dinoseb	n/a	=	3.62	µg/L	EPA 515.3	0.14	0.4			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	Dinoseb	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	Dinoseb	n/a	=	4.37	µg/L	EPA 515.3	0.14	0.4			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	Dinoseb	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	Dinoseb	n/a	=	4.38	µg/L	EPA 515.3	0.14	0.4			
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	Dinoseb	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	Dinoseb	n/a	=	0.1	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Diphenamid	n/a	=	5.2	µg/L	EPA 525.2	0.024	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Diphenamid	n/a	=	104	%	EPA 525.2	-88	-88	77	124	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Diphenamid	n/a	=	5.11	µg/L	EPA 525.2	0.024	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Diphenamid	n/a	=	102	%	EPA 525.2	-88	-88	77	124	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Diphenamid	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Disulfoton	n/a	=	0.0496	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Disulfoton	n/a	=	99	%	EPA 525.2m	-88	-88	12	199	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Disulfoton	n/a	=	0.0493	µg/L	EPA 525.2m	0.01	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Disulfoton	n/a	=	99	%	EPA 525.2m	-88	-88	12	199	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Disulfoton	n/a	=	0.7	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Disulfoton	n/a	=	0.0448	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Disulfoton	n/a	=	90	%	EPA 525.2m	-88	-88	12	199	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Disulfoton	n/a	=	0.0341	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Disulfoton	n/a	=	68	%	EPA 525.2m	-88	-88	12	199	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Disulfoton	n/a	=	27	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Disulfoton	n/a	=	5.43	µg/L	EPA 525.2	0.031	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Disulfoton	n/a	=	109	%	EPA 525.2	-88	-88	54	156	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Disulfoton	n/a	=	5.61	µg/L	EPA 525.2	0.031	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Disulfoton	n/a	=	112	%	EPA 525.2	-88	-88	54	156	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Disulfoton	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Disulfoton	n/a	=	0.0418	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Disulfoton	n/a	=	84	%	EPA 525.2m	-88	-88	0.1	212	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Disulfoton	n/a	=	0.0369	µg/L	EPA 525.2m	0.01	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Disulfoton	n/a	=	74	%	EPA 525.2m	-88	-88	0.1	212	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	Endosulfan I	n/a	=	0.0694	µg/L	EPA 608	0.0017	0.02			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	Endosulfan I	n/a	=	69	%	EPA 608	-88	-88	14	131	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	Endosulfan I	n/a	=	0.073	µg/L	EPA 608	0.0017	0.02			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	Endosulfan I	n/a	=	73	%	EPA 608	-88	-88	14	131	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	Endosulfan I	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	Endosulfan II	n/a	=	0.0749	µg/L	EPA 608	0.0019	0.01			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	Endosulfan II	n/a	=	75	%	EPA 608	-88	-88	40	121	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	Endosulfan II	n/a	=	0.0786	µg/L	EPA 608	0.0019	0.01			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	Endosulfan II	n/a	=	79	%	EPA 608	-88	-88	40	121	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	Endosulfan II	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	Endosulfan sulfate	n/a	=	0.0952	µg/L	EPA 608	0.008	0.05			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	Endosulfan sulfate	n/a	=	95	%	EPA 608	-88	-88	44	140	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	Endosulfan sulfate	n/a	=	0.0988	µg/L	EPA 608	0.008	0.05			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	Endosulfan sulfate	n/a	=	99	%	EPA 608	-88	-88	44	140	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	Endosulfan sulfate	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	Endrin	n/a	=	0.111	µg/L	EPA 608	0.0028	0.01			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	Endrin	n/a	=	111	%	EPA 608	-88	-88	40	143	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	Endrin	n/a	=	0.115	µg/L	EPA 608	0.0028	0.01			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	Endrin	n/a	=	115	%	EPA 608	-88	-88	40	143	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	Endrin	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	Endrin aldehyde	n/a	=	0.0866	µg/L	EPA 608	0.003	0.01			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	Endrin aldehyde	n/a	=	87	%	EPA 608	-88	-88	18	136	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	Endrin aldehyde	n/a	=	0.0896	µg/L	EPA 608	0.003	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	Endrin aldehyde	n/a	=	90	%	EPA 608	-88	-88	18	136	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	Endrin aldehyde	n/a	=	3	%	EPA 608	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	EPTC	n/a	=	5.21	µg/L	EPA 525.2	0.017	1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	EPTC	n/a	=	104	%	EPA 525.2	-88	-88	82	116	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	EPTC	n/a	=	5.33	µg/L	EPA 525.2	0.017	1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	EPTC	n/a	=	107	%	EPA 525.2	-88	-88	82	116	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	EPTC	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Ethoprop	n/a	=	0.0568	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Ethoprop	n/a	=	114	%	EPA 525.2m	-88	-88	51	167	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Ethoprop	n/a	=	0.0576	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Ethoprop	n/a	=	115	%	EPA 525.2m	-88	-88	51	167	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Ethoprop	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Ethoprop	n/a	=	0.0571	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Ethoprop	n/a	=	114	%	EPA 525.2m	-88	-88	51	167	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Ethoprop	n/a	=	0.0539	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Ethoprop	n/a	=	108	%	EPA 525.2m	-88	-88	51	167	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Ethoprop	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Ethoprop	n/a	=	0.043	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Ethoprop	n/a	=	86	%	EPA 525.2m	-88	-88	53	163	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Ethoprop	n/a	=	0.0448	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Ethoprop	n/a	=	90	%	EPA 525.2m	-88	-88	53	163	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Ethyl parathion	n/a	=	0.0623	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Ethyl parathion	n/a	=	125	%	EPA 525.2m	-88	-88	5	229	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Ethyl parathion	n/a	=	0.0603	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Ethyl parathion	n/a	=	121	%	EPA 525.2m	-88	-88	5	229	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Ethyl parathion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Ethyl parathion	n/a	=	0.0529	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Ethyl parathion	n/a	=	106	%	EPA 525.2m	-88	-88	5	229	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Ethyl parathion	n/a	=	0.0564	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Ethyl parathion	n/a	=	113	%	EPA 525.2m	-88	-88	5	229	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Ethyl parathion	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Ethyl parathion	n/a	=	0.0434	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Ethyl parathion	n/a	=	87	%	EPA 525.2m	-88	-88	7	230	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Ethyl parathion	n/a	=	0.0378	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Ethyl parathion	n/a	=	76	%	EPA 525.2m	-88	-88	7	230	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Fensulfothion	n/a	=	0.068	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Fensulfothion	n/a	=	136	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Fensulfothion	n/a	=	0.0656	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Fensulfothion	n/a	=	131	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Fensulfothion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Fensulfothion	n/a	=	0.071	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Fensulfothion	n/a	=	142	%	EPA 525.2m	-88	-88	0.1	316	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Fensulfothion	n/a	=	0.0711	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Fensulfothion	n/a	=	142	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Fensulfothion	n/a	=	0.1	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Fensulfothion	n/a	=	0.0655	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Fensulfothion	n/a	=	131	%	EPA 525.2m	-88	-88	0.1	265	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Fensulfothion	n/a	=	0.049	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Fensulfothion	n/a	=	98	%	EPA 525.2m	-88	-88	0.1	265	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Fenthion	n/a	=	0.0525	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Fenthion	n/a	=	105	%	EPA 525.2m	-88	-88	23	169	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Fenthion	n/a	=	0.0524	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Fenthion	n/a	=	105	%	EPA 525.2m	-88	-88	23	169	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Fenthion	n/a	=	0.2	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Fenthion	n/a	=	0.0532	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Fenthion	n/a	=	106	%	EPA 525.2m	-88	-88	23	169	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Fenthion	n/a	=	0.0471	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Fenthion	n/a	=	94	%	EPA 525.2m	-88	-88	23	169	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Fenthion	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Fenthion	n/a	=	0.0493	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Fenthion	n/a	=	99	%	EPA 525.2m	-88	-88	20	177	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Fenthion	n/a	=	0.0444	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Fenthion	n/a	=	89	%	EPA 525.2m	-88	-88	20	177	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0967	µg/L	EPA 608	0.0021	0.02			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	97	%	EPA 608	-88	-88	49	117	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	0.101	µg/L	EPA 608	0.0021	0.02			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	101	%	EPA 608	-88	-88	49	117	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2014/15-1	000NONPJ	matrix spike	11/3/2014	Pesticide	Glyphosate	n/a	=	27.2	µg/L	EPA 547	1.8	5			
2014/15-1	000NONPJ	matrix spike dup	11/3/2014	Pesticide	Glyphosate	n/a	=	27.3	µg/L	EPA 547	1.8	5			
2014/15-1	000NONPJ	matrix spike dup, rec	11/3/2014	Pesticide	Glyphosate	n/a	=	109	%	EPA 547	-88	-88	41	149	
2014/15-1	000NONPJ	matrix spike, rec	11/3/2014	Pesticide	Glyphosate	n/a	=	109	%	EPA 547	-88	-88	41	149	
2014/15-1	000NONPJ	matrix spike, RPD	11/3/2014	Pesticide	Glyphosate	n/a	=	0.03	%	EPA 547	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/5/2014	Pesticide	Glyphosate	n/a	=	159	µg/L	EPA 547	9	25			
2014/15-1	000NONPJ	matrix spike dup	11/5/2014	Pesticide	Glyphosate	n/a	=	159	µg/L	EPA 547	9	25			
2014/15-1	000NONPJ	matrix spike dup, rec	11/5/2014	Pesticide	Glyphosate	n/a	=	127	%	EPA 547	-88	-88	41	149	
2014/15-1	000NONPJ	matrix spike, rec	11/5/2014	Pesticide	Glyphosate	n/a	=	127	%	EPA 547	-88	-88	41	149	
2014/15-1	000NONPJ	matrix spike, RPD	11/5/2014	Pesticide	Glyphosate	n/a	=	0.1	%	EPA 547	-88	-88	0	30	
2014/15-1	Lab	LCS	11/3/2014	Pesticide	Glyphosate	n/a	=	22.9	µg/L	EPA 547	1.8	5			
2014/15-1	Lab	LCS, rec	11/3/2014	Pesticide	Glyphosate	n/a	=	91	%	EPA 547	-88	-88	62	130	
2014/15-1	Lab	method blank	11/3/2014	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	Glyphosate	n/a	=	29.1	µg/L	EPA 547	1.8	5			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	Glyphosate	n/a	=	116	%	EPA 547	-88	-88	62	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2014/15-1	MO-SPA	matrix spike	11/5/2014	Pesticide	Glyphosate	n/a	=	118	µg/L	EPA 547	9	25			
2014/15-1	MO-SPA	matrix spike dup	11/5/2014	Pesticide	Glyphosate	n/a	=	117	µg/L	EPA 547	9	25			
2014/15-1	MO-SPA	matrix spike dup, rec	11/5/2014	Pesticide	Glyphosate	n/a	=	69	%	EPA 547	-88	-88	41	149	
2014/15-1	MO-SPA	matrix spike, rec	11/5/2014	Pesticide	Glyphosate	n/a	=	70	%	EPA 547	-88	-88	41	149	
2014/15-1	MO-SPA	matrix spike, RPD	11/5/2014	Pesticide	Glyphosate	n/a	=	0.9	%	EPA 547	-88	-88	0	30	
2014/15-1	MO-THO	matrix spike	11/3/2014	Pesticide	Glyphosate	n/a	=	54.7	µg/L	EPA 547	3.6	10			
2014/15-1	MO-THO	matrix spike dup	11/3/2014	Pesticide	Glyphosate	n/a	=	56.3	µg/L	EPA 547	3.6	10			
2014/15-1	MO-THO	matrix spike dup, rec	11/3/2014	Pesticide	Glyphosate	n/a	=	115	%	EPA 547	-88	-88	41	149	
2014/15-1	MO-THO	matrix spike, rec	11/3/2014	Pesticide	Glyphosate	n/a	=	108	%	EPA 547	-88	-88	41	149	
2014/15-1	MO-THO	matrix spike, RPD	11/3/2014	Pesticide	Glyphosate	n/a	=	3	%	EPA 547	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	Heptachlor	n/a	=	0.099	µg/L	EPA 608	0.0017	0.01			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	Heptachlor	n/a	=	99	%	EPA 608	-88	-88	31	130	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	Heptachlor	n/a	=	0.105	µg/L	EPA 608	0.0017	0.01			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	Heptachlor	n/a	=	105	%	EPA 608	-88	-88	31	130	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	Heptachlor	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-1	Lab	LCS	11/5/2014	Pesticide	Heptachlor epoxide	n/a	=	0.0831	µg/L	EPA 608	0.0019	0.01			
2014/15-1	Lab	LCS, rec	11/5/2014	Pesticide	Heptachlor epoxide	n/a	=	83	%	EPA 608	-88	-88	49	122	
2014/15-1	Lab	LCS dup	11/5/2014	Pesticide	Heptachlor epoxide	n/a	=	0.0882	µg/L	EPA 608	0.0019	0.01			
2014/15-1	Lab	LCS dup, rec	11/5/2014	Pesticide	Heptachlor epoxide	n/a	=	88	%	EPA 608	-88	-88	49	122	
2014/15-1	Lab	LCS, RPD	11/5/2014	Pesticide	Heptachlor epoxide	n/a	=	6	%	EPA 608	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Malathion	n/a	=	0.0641	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Malathion	n/a	=	88	%	EPA 525.2m	-88	-88	6	184	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Malathion	n/a	=	0.0643	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Malathion	n/a	=	89	%	EPA 525.2m	-88	-88	6	184	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Malathion	n/a	=	0.3	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Malathion	n/a	=	0.0521	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Malathion	n/a	=	104	%	EPA 525.2m	-88	-88	6	184	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Malathion	n/a	=	0.0499	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Malathion	n/a	=	100	%	EPA 525.2m	-88	-88	6	184	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Malathion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Malathion	n/a	=	0.0444	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Malathion	n/a	=	89	%	EPA 525.2m	-88	-88	14	175	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Malathion	n/a	=	0.0421	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Malathion	n/a	=	84	%	EPA 525.2m	-88	-88	14	175	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Merphos	n/a	=	0.0734	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Merphos	n/a	=	147	%	EPA 525.2m	-88	-88	3	210	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Merphos	n/a	=	0.0719	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Merphos	n/a	=	144	%	EPA 525.2m	-88	-88	3	210	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Merphos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Merphos	n/a	=	0.0569	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Merphos	n/a	=	114	%	EPA 525.2m	-88	-88	3	210	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Merphos	n/a	=	0.0567	µg/L	EPA 525.2m	0.0058	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Merphos	n/a	=	113	%	EPA 525.2m	-88	-88	3	210	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Merphos	n/a	=	0.3	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Merphos	n/a	=	0.0579	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Merphos	n/a	=	116	%	EPA 525.2m	-88	-88	28	181	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Merphos	n/a	=	0.043	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Merphos	n/a	=	86	%	EPA 525.2m	-88	-88	28	181	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Methyl parathion	n/a	=	0.0819	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Methyl parathion	n/a	=	164	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Methyl parathion	n/a	=	0.0782	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Methyl parathion	n/a	=	156	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Methyl parathion	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Methyl parathion	n/a	=	0.0689	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Methyl parathion	n/a	=	138	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Methyl parathion	n/a	=	0.0703	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Methyl parathion	n/a	=	141	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Methyl parathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Methyl parathion	n/a	=	0.0612	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Methyl parathion	n/a	=	122	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Methyl parathion	n/a	=	0.0473	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Methyl parathion	n/a	=	95	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Metolachlor	n/a	=	4.06	µg/L	EPA 525.2	0.012	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Metolachlor	n/a	=	81	%	EPA 525.2	-88	-88	61	123	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Metolachlor	n/a	=	4.28	µg/L	EPA 525.2	0.012	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Metolachlor	n/a	=	86	%	EPA 525.2	-88	-88	61	123	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Metolachlor	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Metribuzin	n/a	=	3.99	µg/L	EPA 525.2	0.015	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Metribuzin	n/a	=	80	%	EPA 525.2	-88	-88	50	121	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Metribuzin	n/a	=	4.06	µg/L	EPA 525.2	0.015	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Metribuzin	n/a	=	81	%	EPA 525.2	-88	-88	50	121	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Metribuzin	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Mevinphos	n/a	=	0.0945	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Mevinphos	n/a	=	189	%	EPA 525.2m	-88	-88	25	189	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Mevinphos	n/a	=	0.0905	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Mevinphos	n/a	=	181	%	EPA 525.2m	-88	-88	25	189	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Mevinphos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Mevinphos	n/a	=	0.0481	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Mevinphos	n/a	=	96	%	EPA 525.2m	-88	-88	25	189	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Mevinphos	n/a	=	0.0462	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Mevinphos	n/a	=	92	%	EPA 525.2m	-88	-88	25	189	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Mevinphos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Mevinphos	n/a	=	0.0336	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Mevinphos	n/a	=	67	%	EPA 525.2m	-88	-88	14	202	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Mevinphos	n/a	=	0.0313	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Mevinphos	n/a	=	63	%	EPA 525.2m	-88	-88	14	202	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Molinate	n/a	=	5.21	µg/L	EPA 525.2	0.039	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Molinate	n/a	=	104	%	EPA 525.2	-88	-88	82	117	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Molinate	n/a	=	5.4	µg/L	EPA 525.2	0.039	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Molinate	n/a	=	108	%	EPA 525.2	-88	-88	82	117	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Molinate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Naled	n/a	=	0.0837	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Naled	n/a	=	167	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Naled	n/a	=	0.0781	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Naled	n/a	=	156	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Naled	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Naled	n/a	=	0.0519	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Naled	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Naled	n/a	=	0.0462	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Naled	n/a	=	92	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Naled	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Naled	n/a	=	0.0577	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Naled	n/a	=	115	%	EPA 525.2m	-88	-88	0.1	240	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Naled	n/a	=	0.0207	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Naled	n/a	=	41	%	EPA 525.2m	-88	-88	0.1	240	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	Pentachlorophenol	n/a	=	3.36	µg/L	EPA 515.3	0.04	0.2			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	Pentachlorophenol	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	Pentachlorophenol	n/a	=	3.38	µg/L	EPA 515.3	0.04	0.2			
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	Pentachlorophenol	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	Pentachlorophenol	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/10/2014	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS	11/10/2014	Pesticide	Pentachlorophenol	n/a	=	19.1	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS, rec	11/10/2014	Pesticide	Pentachlorophenol	n/a	=	76	%	EPA 625	-88	-88	14	176	
2014/15-1	Lab	LCS dup	11/10/2014	Pesticide	Pentachlorophenol	n/a	=	21.3	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS dup, rec	11/10/2014	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 625	-88	-88	14	176	
2014/15-1	Lab	LCS, RPD	11/10/2014	Pesticide	Pentachlorophenol	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	Pentachlorophenol	n/a	=	10.5	µg/L	EPA 8270Cm	0.15	1			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	Pentachlorophenol	n/a	=	105	%	EPA 8270Cm	-88	-88	29	106	
2014/15-1	Lab	LCS dup	11/12/2014	Pesticide	Pentachlorophenol	n/a	=	9.68	µg/L	EPA 8270Cm	0.15	1			
2014/15-1	Lab	LCS dup, rec	11/12/2014	Pesticide	Pentachlorophenol	n/a	=	97	%	EPA 8270Cm	-88	-88	29	106	
2014/15-1	Lab	LCS, RPD	11/12/2014	Pesticide	Pentachlorophenol	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	Pentachlorophenol	n/a	=	3.48	µg/L	EPA 515.3	0.04	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	Pentachlorophenol	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-1	Lab	method blank	11/17/2014	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS	11/17/2014	Pesticide	Pentachlorophenol	n/a	=	15.9	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS, rec	11/17/2014	Pesticide	Pentachlorophenol	n/a	=	64	%	EPA 625	-88	-88	14	176	
2014/15-1	Lab	LCS dup	11/17/2014	Pesticide	Pentachlorophenol	n/a	=	13.6	µg/L	EPA 625	0.19	1			
2014/15-1	Lab	LCS dup, rec	11/17/2014	Pesticide	Pentachlorophenol	n/a	=	55	%	EPA 625	-88	-88	14	176	
2014/15-1	Lab	LCS, RPD	11/17/2014	Pesticide	Pentachlorophenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	Pentachlorophenol	n/a	=	3.53	µg/L	EPA 515.3	0.04	0.2			
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	Pentachlorophenol	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	Pentachlorophenol	n/a	=	3.53	µg/L	EPA 515.3	0.04	0.2			
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	Pentachlorophenol	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	Pentachlorophenol	n/a	=	0.03	%	EPA 515.3	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Phorate	n/a	=	0.0545	µg/L	EPA 525.2m	0.003	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Phorate	n/a	=	109	%	EPA 525.2m	-88	-88	31	181	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Phorate	n/a	=	0.0518	µg/L	EPA 525.2m	0.003	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Phorate	n/a	=	104	%	EPA 525.2m	-88	-88	31	181	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Phorate	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Phorate	n/a	=	0.0524	µg/L	EPA 525.2m	0.003	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Phorate	n/a	=	105	%	EPA 525.2m	-88	-88	31	181	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Phorate	n/a	=	0.0478	µg/L	EPA 525.2m	0.003	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Phorate	n/a	=	96	%	EPA 525.2m	-88	-88	31	181	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Phorate	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Phorate	n/a	=	0.0488	µg/L	EPA 525.2m	0.003	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Phorate	n/a	=	98	%	EPA 525.2m	-88	-88	26	180	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Phorate	n/a	=	0.0447	µg/L	EPA 525.2m	0.003	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Phorate	n/a	=	89	%	EPA 525.2m	-88	-88	26	180	
2014/15-1	000NONPJ	matrix spike	11/13/2014	Pesticide	Picloram	n/a	=	4.86	µg/L	EPA 515.3	0.05	0.6			
2014/15-1	000NONPJ	matrix spike, rec	11/13/2014	Pesticide	Picloram	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2014/15-1	000NONPJ	matrix spike dup	11/13/2014	Pesticide	Picloram	n/a	=	5.36	µg/L	EPA 515.3	0.05	0.6			GB
2014/15-1	000NONPJ	matrix spike dup, rec	11/13/2014	Pesticide	Picloram	n/a	=	134	%	EPA 515.3	-88	-88	70	130	GB
2014/15-1	000NONPJ	matrix spike, RPD	11/13/2014	Pesticide	Picloram	n/a	=	10	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/12/2014	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2014/15-1	Lab	LCS	11/12/2014	Pesticide	Picloram	n/a	=	4.5	µg/L	EPA 515.3	0.05	0.6			
2014/15-1	Lab	LCS, rec	11/12/2014	Pesticide	Picloram	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2014/15-1	ME-VR2	matrix spike	11/13/2014	Pesticide	Picloram	n/a	=	5.71	µg/L	EPA 515.3	0.05	0.6			GB
2014/15-1	ME-VR2	matrix spike, rec	11/13/2014	Pesticide	Picloram	n/a	=	143	%	EPA 515.3	-88	-88	70	130	GB
2014/15-1	ME-VR2	matrix spike dup	11/13/2014	Pesticide	Picloram	n/a	=	5.47	µg/L	EPA 515.3	0.05	0.6			GB
2014/15-1	ME-VR2	matrix spike dup, rec	11/13/2014	Pesticide	Picloram	n/a	=	137	%	EPA 515.3	-88	-88	70	130	GB
2014/15-1	ME-VR2	matrix spike, RPD	11/13/2014	Pesticide	Picloram	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Prometon	n/a	=	1.52	µg/L	EPA 525.2	0.024	0.2			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Prometon	n/a	=	30	%	EPA 525.2	-88	-88	17	101	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Prometon	n/a	=	1	µg/L	EPA 525.2	0.024	0.2			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Prometon	n/a	=	20	%	EPA 525.2	-88	-88	17	101	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Prometon	n/a	=	41	%	EPA 525.2	-88	-88	0	30	IL

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Prometryn	n/a	=	3.38	µg/L	EPA 525.2	0.036	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Prometryn	n/a	=	68	%	EPA 525.2	-88	-88	57	122	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Prometryn	n/a	=	3.02	µg/L	EPA 525.2	0.036	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Prometryn	n/a	=	60	%	EPA 525.2	-88	-88	57	122	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Prometryn	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0524	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	105	%	EPA 525.2m	-88	-88	29	153	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0518	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	104	%	EPA 525.2m	-88	-88	29	153	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0554	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	111	%	EPA 525.2m	-88	-88	29	153	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0524	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	105	%	EPA 525.2m	-88	-88	29	153	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Ronnel (Fenclorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0499	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	100	%	EPA 525.2m	-88	-88	34	154	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0459	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	92	%	EPA 525.2m	-88	-88	34	154	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Simazine	n/a	=	4.07	µg/L	EPA 525.2	0.015	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Simazine	n/a	=	81	%	EPA 525.2	-88	-88	53	116	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Simazine	n/a	=	4.3	µg/L	EPA 525.2	0.015	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Simazine	n/a	=	86	%	EPA 525.2	-88	-88	53	116	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Simazine	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0751	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	150	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0702	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	140	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0599	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	120	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0562	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	112	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0742	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	148	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0415	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	83	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Terbacil	n/a	=	5.74	µg/L	EPA 525.2	0.55	2			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Terbacil	n/a	=	115	%	EPA 525.2	-88	-88	70	135	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Terbacil	n/a	=	5.84	µg/L	EPA 525.2	0.55	2			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Terbacil	n/a	=	117	%	EPA 525.2	-88	-88	70	135	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Terbacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Thiobencarb	n/a	=	4.04	µg/L	EPA 525.2	0.025	0.2			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Thiobencarb	n/a	=	81	%	EPA 525.2	-88	-88	56	125	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Thiobencarb	n/a	=	4.07	µg/L	EPA 525.2	0.025	0.2			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Thiobencarb	n/a	=	81	%	EPA 525.2	-88	-88	56	125	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Thiobencarb	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Tokuthion	n/a	=	0.0561	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Tokuthion	n/a	=	112	%	EPA 525.2m	-88	-88	27	160	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Tokuthion	n/a	=	0.0524	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Tokuthion	n/a	=	105	%	EPA 525.2m	-88	-88	27	160	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Tokuthion	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Tokuthion	n/a	=	0.0454	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Tokuthion	n/a	=	91	%	EPA 525.2m	-88	-88	27	160	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Tokuthion	n/a	=	0.0429	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Tokuthion	n/a	=	86	%	EPA 525.2m	-88	-88	27	160	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Tokuthion	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Tokuthion	n/a	=	0.0537	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Tokuthion	n/a	=	107	%	EPA 525.2m	-88	-88	23	159	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Tokuthion	n/a	=	0.0425	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Tokuthion	n/a	=	85	%	EPA 525.2m	-88	-88	23	159	
2014/15-1	Lab	method blank	11/5/2014	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2014/15-1	000NONPJ	matrix spike	11/19/2014	Pesticide	Trichloronate	n/a	=	0.051	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/19/2014	Pesticide	Trichloronate	n/a	=	102	%	EPA 525.2m	-88	-88	40	150	
2014/15-1	000NONPJ	matrix spike dup	11/19/2014	Pesticide	Trichloronate	n/a	=	0.0508	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/19/2014	Pesticide	Trichloronate	n/a	=	102	%	EPA 525.2m	-88	-88	40	150	
2014/15-1	000NONPJ	matrix spike, RPD	11/19/2014	Pesticide	Trichloronate	n/a	=	0.2	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	000NONPJ	matrix spike	11/20/2014	Pesticide	Trichloronate	n/a	=	0.0537	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	000NONPJ	matrix spike, rec	11/20/2014	Pesticide	Trichloronate	n/a	=	107	%	EPA 525.2m	-88	-88	40	150	
2014/15-1	000NONPJ	matrix spike dup	11/20/2014	Pesticide	Trichloronate	n/a	=	0.0493	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	000NONPJ	matrix spike dup, rec	11/20/2014	Pesticide	Trichloronate	n/a	=	99	%	EPA 525.2m	-88	-88	40	150	
2014/15-1	000NONPJ	matrix spike, RPD	11/20/2014	Pesticide	Trichloronate	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-1	Lab	method blank	11/19/2014	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	Lab	LCS	11/19/2014	Pesticide	Trichloronate	n/a	=	0.0486	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	Lab	LCS, rec	11/19/2014	Pesticide	Trichloronate	n/a	=	97	%	EPA 525.2m	-88	-88	34	153	
2014/15-1	Lab	method blank	11/20/2014	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	Lab	LCS	11/20/2014	Pesticide	Trichloronate	n/a	=	0.0466	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-1	Lab	LCS, rec	11/20/2014	Pesticide	Trichloronate	n/a	=	93	%	EPA 525.2m	-88	-88	34	153	
2014/15-1	Lab	method blank	11/6/2014	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-1	Lab	LCS	11/6/2014	Pesticide	Trithion	n/a	=	4.34	µg/L	EPA 525.2	0.012	0.1			
2014/15-1	Lab	LCS, rec	11/6/2014	Pesticide	Trithion	n/a	=	87	%	EPA 525.2	-88	-88	60	124	
2014/15-1	Lab	LCS dup	11/6/2014	Pesticide	Trithion	n/a	=	4.37	µg/L	EPA 525.2	0.012	0.1			
2014/15-1	Lab	LCS dup, rec	11/6/2014	Pesticide	Trithion	n/a	=	87	%	EPA 525.2	-88	-88	60	124	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-1	Lab	LCS, RPD	11/6/2014	Pesticide	Trithion	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/6/2014	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2014/15-2	Lab	LCS	12/6/2014	Anion	Chloride	n/a	=	3.87	mg/L	EPA 300.0	0.1	0.5			
2014/15-2	Lab	LCS, rec	12/6/2014	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	90	110	
2014/15-2	MO-MEI	matrix spike	12/6/2014	Anion	Chloride	n/a	=	26.7	mg/L	EPA 300.0	0.5	2.5			
2014/15-2	MO-MEI	matrix spike, rec	12/6/2014	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	76	118	
2014/15-2	MO-MEI	matrix spike dup	12/6/2014	Anion	Chloride	n/a	=	26.7	mg/L	EPA 300.0	0.5	2.5			
2014/15-2	MO-MEI	matrix spike dup, rec	12/6/2014	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	76	118	
2014/15-2	MO-MEI	matrix spike, RPD	12/6/2014	Anion	Chloride	n/a	=	0.02	%	EPA 300.0	-88	-88	0	20	
2014/15-2	MO-OJA	matrix spike	12/6/2014	Anion	Chloride	n/a	=	25.2	mg/L	EPA 300.0	0.5	2.5			
2014/15-2	MO-OJA	matrix spike, rec	12/6/2014	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	76	118	
2014/15-2	MO-OJA	matrix spike dup	12/6/2014	Anion	Chloride	n/a	=	25.4	mg/L	EPA 300.0	0.5	2.5			
2014/15-2	MO-OJA	matrix spike dup, rec	12/6/2014	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	76	118	
2014/15-2	MO-OJA	matrix spike, RPD	12/6/2014	Anion	Chloride	n/a	=	0.8	%	EPA 300.0	-88	-88	0	20	
2014/15-2	Lab	method blank	12/6/2014	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2014/15-2	Lab	LCS	12/6/2014	Anion	Fluoride	n/a	=	2.16	mg/L	EPA 300.0	0.02	0.1			
2014/15-2	Lab	LCS, rec	12/6/2014	Anion	Fluoride	n/a	=	108	%	EPA 300.0	-88	-88	90	110	
2014/15-2	MO-MEI	matrix spike	12/6/2014	Anion	Fluoride	n/a	=	10.5	mg/L	EPA 300.0	0.1	0.5			
2014/15-2	MO-MEI	matrix spike, rec	12/6/2014	Anion	Fluoride	n/a	=	105	%	EPA 300.0	-88	-88	86	107	
2014/15-2	MO-MEI	matrix spike dup	12/6/2014	Anion	Fluoride	n/a	=	10.4	mg/L	EPA 300.0	0.1	0.5			
2014/15-2	MO-MEI	matrix spike dup, rec	12/6/2014	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	86	107	
2014/15-2	MO-MEI	matrix spike, RPD	12/6/2014	Anion	Fluoride	n/a	=	2	%	EPA 300.0	-88	-88	0	20	
2014/15-2	MO-OJA	matrix spike	12/6/2014	Anion	Fluoride	n/a	=	10.7	mg/L	EPA 300.0	0.1	0.5			
2014/15-2	MO-OJA	matrix spike, rec	12/6/2014	Anion	Fluoride	n/a	=	106	%	EPA 300.0	-88	-88	86	107	
2014/15-2	MO-OJA	matrix spike dup	12/6/2014	Anion	Fluoride	n/a	=	10.7	mg/L	EPA 300.0	0.1	0.5			
2014/15-2	MO-OJA	matrix spike dup, rec	12/6/2014	Anion	Fluoride	n/a	=	106	%	EPA 300.0	-88	-88	86	107	
2014/15-2	MO-OJA	matrix spike, RPD	12/6/2014	Anion	Fluoride	n/a	=	0.04	%	EPA 300.0	-88	-88	0	20	
2014/15-2	000NONPJ	lab duplicate	12/5/2014	Anion	Perchlorate	n/a	=	5.26	µg/L	EPA 314.0	1.9	4			
2014/15-2	000NONPJ	matrix spike	12/5/2014	Anion	Perchlorate	n/a	=	11.9	µg/L	EPA 314.0	0.95	2			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Anion	Perchlorate	n/a	=	119	%	EPA 314.0	-88	-88	80	120	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Anion	Perchlorate	n/a	=	11.9	µg/L	EPA 314.0	0.95	2			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Anion	Perchlorate	n/a	=	119	%	EPA 314.0	-88	-88	80	120	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Anion	Perchlorate	n/a	=	0.08	%	EPA 314.0	-88	-88	0	15	
2014/15-2	Lab	method blank	12/5/2014	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-2	Lab	LCS	12/5/2014	Anion	Perchlorate	n/a	=	10.2	µg/L	EPA 314.0	0.95	2			
2014/15-2	Lab	LCS, rec	12/5/2014	Anion	Perchlorate	n/a	=	102	%	EPA 314.0	-88	-88	85	115	
2014/15-2	MO-OXN	field duplicate	12/3/2014	Bacteriological	E. Coli	n/a	=	7270	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2014/15-2	MO-OXN	field duplicate	12/5/2014	Bacteriological	Fecal Coliform	n/a	=	70000	MPN/100 mL	SM 9221 E	2	2	-88	-88	
2014/15-2	MO-OXN	field duplicate	12/3/2014	Bacteriological	Total Coliform	n/a	=	25600	MPN/100 mL	MMO-MUG	1000	1000	-88	-88	
2014/15-2	Lab	method blank	12/12/2014	Cation	Calcium	Total	DNQ	0.0305	mg/L	EPA 200.7	0.016	0.1			
2014/15-2	Lab	LCS	12/12/2014	Cation	Calcium	Total	=	49.4	mg/L	EPA 200.7	0.016	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Cation	Calcium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2014/15-2	ME-VR2	matrix spike	12/12/2014	Cation	Calcium	Total	=	172	mg/L	EPA 200.7	0.016	0.1			
2014/15-2	ME-VR2	matrix spike, rec	12/12/2014	Cation	Calcium	Total	=	90	%	EPA 200.7	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/12/2014	Cation	Calcium	Total	=	173	mg/L	EPA 200.7	0.016	0.1			
2014/15-2	ME-VR2	matrix spike dup, rec	12/12/2014	Cation	Calcium	Total	=	91	%	EPA 200.7	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/12/2014	Cation	Calcium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	MO-VEN	matrix spike	12/12/2014	Cation	Calcium	Total	=	68	mg/L	EPA 200.7	0.016	0.1			
2014/15-2	MO-VEN	matrix spike, rec	12/12/2014	Cation	Calcium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2014/15-2	MO-VEN	matrix spike dup	12/12/2014	Cation	Calcium	Total	=	66.5	mg/L	EPA 200.7	0.016	0.1			
2014/15-2	MO-VEN	matrix spike dup, rec	12/12/2014	Cation	Calcium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2014/15-2	MO-VEN	matrix spike, RPD	12/12/2014	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2014/15-2	Lab	LCS	12/12/2014	Cation	Magnesium	Total	=	47.9	mg/L	EPA 200.7	0.012	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Cation	Magnesium	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2014/15-2	ME-VR2	matrix spike	12/12/2014	Cation	Magnesium	Total	=	82.6	mg/L	EPA 200.7	0.012	0.1			
2014/15-2	ME-VR2	matrix spike, rec	12/12/2014	Cation	Magnesium	Total	=	91	%	EPA 200.7	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/12/2014	Cation	Magnesium	Total	=	83.9	mg/L	EPA 200.7	0.012	0.1			
2014/15-2	ME-VR2	matrix spike dup, rec	12/12/2014	Cation	Magnesium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/12/2014	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-2	MO-VEN	matrix spike	12/12/2014	Cation	Magnesium	Total	=	51.9	mg/L	EPA 200.7	0.012	0.1			
2014/15-2	MO-VEN	matrix spike, rec	12/12/2014	Cation	Magnesium	Total	=	93	%	EPA 200.7	-88	-88	70	130	
2014/15-2	MO-VEN	matrix spike dup	12/12/2014	Cation	Magnesium	Total	=	52.8	mg/L	EPA 200.7	0.012	0.1			
2014/15-2	MO-VEN	matrix spike dup, rec	12/12/2014	Cation	Magnesium	Total	=	95	%	EPA 200.7	-88	-88	70	130	
2014/15-2	MO-VEN	matrix spike, RPD	12/12/2014	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-2	000NONPJ	lab duplicate	12/9/2014	Conventional	Alkalinity as CaCO3	n/a	=	28.3	mg/L	SM 2320 B	0.56	2		15	
2014/15-2	Lab	LCS	12/9/2014	Conventional	Alkalinity as CaCO3	n/a	=	248	mg/L	SM 2320 B	0.56	2			
2014/15-2	Lab	LCS, rec	12/9/2014	Conventional	Alkalinity as CaCO3	n/a	=	99	%	SM 2320 B	-88	-88	94	108	
2014/15-2	Lab	method blank	12/9/2014	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.19	mg/L	SM 2320 B	0.56	2			
2014/15-2	000NONPJ	lab duplicate	12/9/2014	Conventional	BOD	n/a	=	357	mg/L	SM 5210 B	2	2			
2014/15-2	Lab	LCS	12/9/2014	Conventional	BOD	n/a	=	182	mg/L	SM 5210 B	2	2			
2014/15-2	Lab	LCS, rec	12/9/2014	Conventional	BOD	n/a	=	92	%	SM 5210 B	-88	-88	85	115	
2014/15-2	000NONPJ	lab duplicate	12/9/2014	Conventional	COD	n/a	=	580	mg/L	EPA 410.4	1.5	10			
2014/15-2	000NONPJ	matrix spike	12/9/2014	Conventional	COD	n/a	=	2610	mg/L	EPA 410.4	1.5	10			
2014/15-2	000NONPJ	matrix spike	12/9/2014	Conventional	COD	n/a	=	252	mg/L	EPA 410.4	1.5	10			
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Conventional	COD	n/a	=	247	mg/L	EPA 410.4	1.5	10			
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Conventional	COD	n/a	=	2620	mg/L	EPA 410.4	1.5	10			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Conventional	COD	n/a	=	0.4	%	EPA 410.4	-88	-88	0	15	
2014/15-2	Lab	LCS	12/9/2014	Conventional	COD	n/a	=	102	mg/L	EPA 410.4	0.73	5			
2014/15-2	Lab	LCS, rec	12/9/2014	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	
2014/15-2	Lab	method blank	12/9/2014	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2014/15-2	000NONPJ	matrix spike	12/5/2014	Conventional	Cyanide	Total	=	0.0468	mg/L	ASTM D7511	0.00048	0.002			
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Conventional	Cyanide	Total	=	0.0459	mg/L	ASTM D7511	0.00048	0.002			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Conventional	Cyanide	Total	=	91	%	ASTM D7511	-88	-88	64	136	
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Conventional	Cyanide	Total	=	93	%	ASTM D7511	-88	-88	64	136	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2014/15-2	Lab	LCS	12/5/2014	Conventional	Cyanide	Total	=	0.0454	mg/L	ASTM D7511	0.00048	0.002			
2014/15-2	Lab	LCS, rec	12/5/2014	Conventional	Cyanide	Total	=	91	%	ASTM D7511	-88	-88	84	116	
2014/15-2	Lab	method blank	12/5/2014	Conventional	Cyanide	Total	<	0.00048	mg/L	ASTM D7511	0.00048	0.002			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS	12/12/2014	Conventional	Cyanide	Total	=	0.0472	mg/L	ASTM D7511	0.00048	0.002			
2014/15-2	Lab	LCS, rec	12/12/2014	Conventional	Cyanide	Total	=	94	%	ASTM D7511	-88	-88	84	116	
2014/15-2	Lab	method blank	12/12/2014	Conventional	Cyanide	Total	<	0.00048	mg/L	ASTM D7511	0.00048	0.002			
2014/15-2	MO-FIL	matrix spike	12/12/2014	Conventional	Cyanide	Total	=	0.0481	mg/L	ASTM D7511	0.00048	0.002			
2014/15-2	MO-FIL	matrix spike dup	12/12/2014	Conventional	Cyanide	Total	=	0.0484	mg/L	ASTM D7511	0.00048	0.002			
2014/15-2	MO-FIL	matrix spike dup, rec	12/12/2014	Conventional	Cyanide	Total	=	97	%	ASTM D7511	-88	-88	64	136	
2014/15-2	MO-FIL	matrix spike, rec	12/12/2014	Conventional	Cyanide	Total	=	96	%	ASTM D7511	-88	-88	64	136	
2014/15-2	MO-FIL	matrix spike, RPD	12/12/2014	Conventional	Cyanide	Total	=	0.5	%	ASTM D7511	-88	-88	0	47	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Conventional	Cyanide	Total	=	0.0486	mg/L	ASTM D7511	0.00048	0.002			
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Conventional	Cyanide	Total	=	0.0497	mg/L	ASTM D7511	0.00048	0.002			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Conventional	Cyanide	Total	=	98	%	ASTM D7511	-88	-88	64	136	
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Conventional	Cyanide	Total	=	96	%	ASTM D7511	-88	-88	64	136	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2014/15-2	MO-OXN	field duplicate	12/12/2014	Conventional	Cyanide	Total	<	0.00048	mg/L	ASTM D7511	0.00048	0.002			
2014/15-2	000NONPJ	lab duplicate	12/4/2014	Conventional	MBAS	n/a	DNQ	0.041	mg/L	SM 5540 C	0.019	0.05			
2014/15-2	000NONPJ	matrix spike	12/4/2014	Conventional	MBAS	n/a	=	0.919	mg/L	SM 5540 C	0.076	0.2			
2014/15-2	000NONPJ	matrix spike dup	12/4/2014	Conventional	MBAS	n/a	=	0.893	mg/L	SM 5540 C	0.076	0.2			
2014/15-2	000NONPJ	matrix spike dup, rec	12/4/2014	Conventional	MBAS	n/a	=	89	%	SM 5540 C	-88	-88	74	123	
2014/15-2	000NONPJ	matrix spike, rec	12/4/2014	Conventional	MBAS	n/a	=	92	%	SM 5540 C	-88	-88	74	123	
2014/15-2	000NONPJ	matrix spike, RPD	12/4/2014	Conventional	MBAS	n/a	=	3	%	SM 5540 C	-88	-88	0	20	
2014/15-2	Lab	LCS	12/4/2014	Conventional	MBAS	n/a	=	0.208	mg/L	SM 5540 C	0.019	0.05			
2014/15-2	Lab	LCS, rec	12/4/2014	Conventional	MBAS	n/a	=	104	%	SM 5540 C	-88	-88	82	115	
2014/15-2	Lab	method blank	12/4/2014	Conventional	MBAS	n/a	DNQ	0.0202	mg/L	SM 5540 C	0.019	0.05			
2014/15-2	000NONPJ	matrix spike	12/19/2014	Conventional	Phenolics	n/a	=	0.272	mg/L	EPA 420.4	0.0042	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/19/2014	Conventional	Phenolics	n/a	=	105	%	EPA 420.4	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike dup	12/19/2014	Conventional	Phenolics	n/a	=	0.273	mg/L	EPA 420.4	0.0042	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/19/2014	Conventional	Phenolics	n/a	=	106	%	EPA 420.4	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, RPD	12/19/2014	Conventional	Phenolics	n/a	=	0.2	%	EPA 420.4	-88	-88	0	20	
2014/15-2	Lab	LCS	12/19/2014	Conventional	Phenolics	n/a	=	0.106	mg/L	EPA 420.4	0.0042	0.01			
2014/15-2	Lab	LCS, rec	12/19/2014	Conventional	Phenolics	n/a	=	106	%	EPA 420.4	-88	-88	90	110	
2014/15-2	Lab	method blank	12/19/2014	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2014/15-2	000NONPJ	lab duplicate	12/5/2014	Conventional	Specific Conductance	n/a	=	1280	µmhos/cm	SM 2510 B	0.23	2		4.28	
2014/15-2	Lab	LCS	12/5/2014	Conventional	Specific Conductance	n/a	=	196	µmhos/cm	SM 2510 B	0.23	2			
2014/15-2	Lab	LCS, rec	12/5/2014	Conventional	Specific Conductance	n/a	=	98	%	SM 2510 B	-88	-88	95	105	
2014/15-2	Lab	method blank	12/5/2014	Conventional	Specific Conductance	n/a	DNQ	0.55	µmhos/cm	SM 2510 B	0.23	2			
2014/15-2	000NONPJ	lab duplicate	12/4/2014	Conventional	Total Dissolved Solids	n/a	=	525	mg/L	SM 2540 C	4	10		10	
2014/15-2	000NONPJ	lab duplicate	12/4/2014	Conventional	Total Dissolved Solids	n/a	=	412	mg/L	SM 2540 C	4	10		10	
2014/15-2	000NONPJ	lab duplicate	12/8/2014	Conventional	Total Dissolved Solids	n/a	=	6260	mg/L	SM 2540 C	4	10		10	
2014/15-2	000NONPJ	lab duplicate	12/8/2014	Conventional	Total Dissolved Solids	n/a	=	129	mg/L	SM 2540 C	4	10		10	
2014/15-2	000NONPJ	lab duplicate	12/10/2014	Conventional	Total Dissolved Solids	n/a	=	1170	mg/L	SM 2540 C	4	10		10	
2014/15-2	000NONPJ	lab duplicate	12/10/2014	Conventional	Total Dissolved Solids	n/a	=	2740	mg/L	SM 2540 C	4	10		10	
2014/15-2	Lab	LCS	12/4/2014	Conventional	Total Dissolved Solids	n/a	=	819	mg/L	SM 2540 C	4	10			
2014/15-2	Lab	LCS, rec	12/4/2014	Conventional	Total Dissolved Solids	n/a	=	99	%	SM 2540 C	-88	-88	96	102	
2014/15-2	Lab	method blank	12/4/2014	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2014/15-2	Lab	LCS	12/8/2014	Conventional	Total Dissolved Solids	n/a	=	827	mg/L	SM 2540 C	4	10			
2014/15-2	Lab	LCS, rec	12/8/2014	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2014/15-2	Lab	method blank	12/8/2014	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS	12/10/2014	Conventional	Total Dissolved Solids	n/a	=	823	mg/L	SM 2540 C	4	10			
2014/15-2	Lab	LCS, rec	12/10/2014	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2014/15-2	Lab	method blank	12/10/2014	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2014/15-2	000NONPJ	lab duplicate	12/11/2014	Conventional	Total Organic Carbon	n/a	=	40.2	mg/L	SM 5310 C	0.09	3			
2014/15-2	000NONPJ	matrix spike	12/11/2014	Conventional	Total Organic Carbon	n/a	=	91.6	mg/L	SM 5310 C	0.09	3			
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Conventional	Total Organic Carbon	n/a	=	90.5	mg/L	SM 5310 C	0.09	3			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Conventional	Total Organic Carbon	n/a	=	104	%	SM 5310 C	-88	-88	80	116	
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Conventional	Total Organic Carbon	n/a	=	106	%	SM 5310 C	-88	-88	80	116	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Conventional	Total Organic Carbon	n/a	=	1	%	SM 5310 C	-88	-88	0	20	
2014/15-2	000NONPJ	matrix spike	12/17/2014	Conventional	Total Organic Carbon	n/a	=	8.75	mg/L	SM 5310 C	0.009	0.3			
2014/15-2	000NONPJ	matrix spike dup	12/17/2014	Conventional	Total Organic Carbon	n/a	=	8.71	mg/L	SM 5310 C	0.009	0.3			
2014/15-2	000NONPJ	matrix spike dup, rec	12/17/2014	Conventional	Total Organic Carbon	n/a	=	104	%	SM 5310 C	-88	-88	80	116	
2014/15-2	000NONPJ	matrix spike, rec	12/17/2014	Conventional	Total Organic Carbon	n/a	=	105	%	SM 5310 C	-88	-88	80	116	
2014/15-2	000NONPJ	matrix spike, RPD	12/17/2014	Conventional	Total Organic Carbon	n/a	=	0.4	%	SM 5310 C	-88	-88	0	20	
2014/15-2	Lab	LCS	12/11/2014	Conventional	Total Organic Carbon	n/a	=	4.98	mg/L	SM 5310 C	0.009	0.3			
2014/15-2	Lab	LCS, rec	12/11/2014	Conventional	Total Organic Carbon	n/a	=	100	%	SM 5310 C	-88	-88	85	115	
2014/15-2	Lab	method blank	12/11/2014	Conventional	Total Organic Carbon	n/a	DNQ	0.0356	mg/L	SM 5310 C	0.009	0.3			
2014/15-2	Lab	LCS	12/17/2014	Conventional	Total Organic Carbon	n/a	=	4.94	mg/L	SM 5310 C	0.009	0.3			
2014/15-2	Lab	LCS, rec	12/17/2014	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 C	-88	-88	85	115	
2014/15-2	Lab	method blank	12/17/2014	Conventional	Total Organic Carbon	n/a	DNQ	0.0523	mg/L	SM 5310 C	0.009	0.3			
2014/15-2	000NONPJ	lab duplicate	12/7/2014	Conventional	Total Suspended Solids	n/a	=	530	mg/L	SM 2540 D	-88	5			
2014/15-2	000NONPJ	lab duplicate	12/9/2014	Conventional	Total Suspended Solids	n/a	=	20	mg/L	SM 2540 D	-88	5			
2014/15-2	000NONPJ	lab duplicate	12/9/2014	Conventional	Total Suspended Solids	n/a	=	10	mg/L	SM 2540 D	-88	5			
2014/15-2	Lab	method blank	12/7/2014	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2014/15-2	Lab	method blank	12/9/2014	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2014/15-2	Lab	LCS	12/4/2014	Conventional	Turbidity	n/a	=	10.1	NTU	EPA 180.1	0.024	0.1			
2014/15-2	Lab	LCS, rec	12/4/2014	Conventional	Turbidity	n/a	=	101	%	EPA 180.1	-88	-88	90	110	
2014/15-2	Lab	method blank	12/4/2014	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2014/15-2	MO-FIL	lab duplicate	12/4/2014	Conventional	Turbidity	n/a	=	26.4	NTU	EPA 180.1	0.024	0.1		10	
2014/15-2	000NONPJ	lab duplicate	12/7/2014	Conventional	Volatile Suspended Solids	n/a	=	240	mg/L	EPA 160.4	3.1	5		15	
2014/15-2	Lab	method blank	12/7/2014	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2014/15-2	Lab	method blank	12/12/2014	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1			
2014/15-2	Lab	LCS	12/12/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.461	mg/L	EPA 8015B	0.024	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Hydrocarbon	Diesel Range Organics	n/a	=	92	%	EPA 8015B	-88	-88	56	136	
2014/15-2	Lab	LCS dup	12/12/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.442	mg/L	EPA 8015B	0.024	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Hydrocarbon	Diesel Range Organics	n/a	=	88	%	EPA 8015B	-88	-88	56	136	
2014/15-2	Lab	LCS, RPD	12/12/2014	Hydrocarbon	Diesel Range Organics	n/a	=	4	%	EPA 8015B	-88	-88	0	25	
2014/15-2	Lab	method blank	12/8/2014	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-2	Lab	LCS	12/8/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1.1	mg/L	EPA 8015B	0.044	0.1			
2014/15-2	Lab	LCS, rec	12/8/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	110	%	EPA 8015B	-88	-88	75	123	
2014/15-2	Lab	LCS dup	12/8/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1.08	mg/L	EPA 8015B	0.044	0.1			
2014/15-2	Lab	LCS dup, rec	12/8/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	108	%	EPA 8015B	-88	-88	75	123	
2014/15-2	Lab	LCS, RPD	12/8/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1	%	EPA 8015B	-88	-88	0	25	
2014/15-2	Lab	method blank	12/9/2014	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-2	Lab	LCS	12/9/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1.14	mg/L	EPA 8015B	0.044	0.1			
2014/15-2	Lab	LCS, rec	12/9/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	114	%	EPA 8015B	-88	-88	75	123	
2014/15-2	Lab	LCS dup	12/9/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1.15	mg/L	EPA 8015B	0.044	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS dup, rec	12/9/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	115	%	EPA 8015B	-88	-88	75	123	
2014/15-2	Lab	LCS, RPD	12/9/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	0.8	%	EPA 8015B	-88	-88	0	25	
2014/15-2	MO-OXN	field duplicate	12/8/2014	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	-88	-88	0.044	0.1	
2014/15-2	Lab	srgt method blank	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.352	mg/L	EPA 8015B	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	141	%	EPA 8015B	-88	-88	64	155	
2014/15-2	Lab	srgt LCS	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.329	mg/L	EPA 8015B	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	132	%	EPA 8015B	-88	-88	64	155	
2014/15-2	Lab	srgt LCS dup	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.327	mg/L	EPA 8015B	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	131	%	EPA 8015B	-88	-88	64	155	
2014/15-2	ME-VR2	srgt environ	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.377	mg/L	EPA 8015B	-88	-88			
2014/15-2	ME-VR2	srgt environ, rec	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	136	%	EPA 8015B	-88	-88	64	155	
2014/15-2	MO-FIL	srgt environ	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.331	mg/L	EPA 8015B	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	132	%	EPA 8015B	-88	-88	64	155	
2014/15-2	MO-MEI	srgt environ	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.329	mg/L	EPA 8015B	-88	-88			
2014/15-2	MO-MEI	srgt environ, rec	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	118	%	EPA 8015B	-88	-88	64	155	
2014/15-2	MO-SPA	srgt environ	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.298	mg/L	EPA 8015B	-88	-88			
2014/15-2	MO-SPA	srgt environ, rec	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	113	%	EPA 8015B	-88	-88	64	155	
2014/15-2	MO-VEN	srgt environ	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.305	mg/L	EPA 8015B	-88	-88			
2014/15-2	MO-VEN	srgt environ, rec	12/12/2014	Hydrocarbon	n-Tetracosane	n/a	=	122	%	EPA 8015B	-88	-88	64	155	
2014/15-2	Lab	LCS	12/5/2014	Hydrocarbon	Oil and Grease	n/a	=	18.3	mg/L	EPA 1664A	1.3	5			
2014/15-2	Lab	LCS	12/5/2014	Hydrocarbon	Oil and Grease	n/a	DNQ	4	mg/L	EPA 1664A	1.3	5			
2014/15-2	Lab	LCS dup	12/5/2014	Hydrocarbon	Oil and Grease	n/a	=	17.1	mg/L	EPA 1664A	1.3	5			
2014/15-2	Lab	LCS dup, rec	12/5/2014	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2014/15-2	Lab	LCS, rec	12/5/2014	Hydrocarbon	Oil and Grease	n/a	=	80	%	EPA 1664A	-88	-88	78	114	
2014/15-2	Lab	LCS, rec	12/5/2014	Hydrocarbon	Oil and Grease	n/a	=	92	%	EPA 1664A	-88	-88	78	114	
2014/15-2	Lab	LCS, RPD	12/5/2014	Hydrocarbon	Oil and Grease	n/a	=	7	%	EPA 1664A	-88	-88	0	18	
2014/15-2	Lab	method blank	12/5/2014	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2014/15-2	Lab	LCS	12/6/2014	Hydrocarbon	Oil and Grease	n/a	=	5	mg/L	EPA 1664A	1.3	5			
2014/15-2	Lab	LCS	12/6/2014	Hydrocarbon	Oil and Grease	n/a	=	19.3	mg/L	EPA 1664A	1.3	5			
2014/15-2	Lab	LCS dup	12/6/2014	Hydrocarbon	Oil and Grease	n/a	=	19.1	mg/L	EPA 1664A	1.3	5			
2014/15-2	Lab	LCS dup, rec	12/6/2014	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2014/15-2	Lab	LCS, rec	12/6/2014	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2014/15-2	Lab	LCS, rec	12/6/2014	Hydrocarbon	Oil and Grease	n/a	=	100	%	EPA 1664A	-88	-88	78	114	
2014/15-2	Lab	LCS, RPD	12/6/2014	Hydrocarbon	Oil and Grease	n/a	=	1	%	EPA 1664A	-88	-88	0	18	
2014/15-2	Lab	method blank	12/6/2014	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2014/15-2	ME-VR2	matrix spike	12/6/2014	Hydrocarbon	Oil and Grease	n/a	=	20.8	mg/L	EPA 1664A	1.3	5			
2014/15-2	ME-VR2	matrix spike, rec	12/6/2014	Hydrocarbon	Oil and Grease	n/a	=	89	%	EPA 1664A	-88	-88	78	114	
2014/15-2	MO-OXN	field duplicate	12/5/2014	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2014/15-2	MO-OXN	matrix spike	12/5/2014	Hydrocarbon	Oil and Grease	n/a	=	24.3	mg/L	EPA 1664A	1.3	5			
2014/15-2	MO-OXN	matrix spike, rec	12/5/2014	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2014/15-2	Lab	method blank	12/12/2014	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2014/15-2	Lab	method blank	12/12/2014	Metal	Aluminum	Dissolved	<	2.1	µg/L	EPA 200.8	2.1	5			
2014/15-2	Lab	LCS	12/12/2014	Metal	Aluminum	Dissolved	=	50.7	µg/L	EPA 200.8	2.1	5			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Aluminum	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Aluminum	Total	<	2.1	µg/L	EPA 200.8	2.1	5			
2014/15-2	Lab	LCS	12/12/2014	Metal	Aluminum	Total	=	50.7	µg/L	EPA 200.8	2.1	5			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Aluminum	Total	=	101	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Aluminum	Total	=	4120	µg/L	EPA 200.8	2.1	5			GB
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Aluminum	Total	=	1150	%	EPA 200.8	-88	-88	70	130	GB
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Aluminum	Total	=	4130	µg/L	EPA 200.8	2.1	5			GB
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Aluminum	Total	=	1170	%	EPA 200.8	-88	-88	70	130	GB
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Aluminum	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Aluminum	Total	=	4470	µg/L	EPA 200.8	2.1	5			GB
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Aluminum	Total	=	1060	%	EPA 200.8	-88	-88	70	130	GB
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Aluminum	Total	=	4260	µg/L	EPA 200.8	2.1	5			GB
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Aluminum	Total	=	643	%	EPA 200.8	-88	-88	70	130	GB
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Aluminum	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Metal	Antimony	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-2	Lab	LCS	12/12/2014	Metal	Antimony	Dissolved	=	49.9	µg/L	EPA 200.8	0.034	0.5			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Antimony	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Antimony	Total	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-2	Lab	LCS	12/12/2014	Metal	Antimony	Total	=	49.9	µg/L	EPA 200.8	0.034	0.5			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Antimony	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Antimony	Total	=	42.9	µg/L	EPA 200.8	0.034	0.5			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Antimony	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Antimony	Total	=	42.3	µg/L	EPA 200.8	0.034	0.5			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Antimony	Total	=	84	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Antimony	Total	=	45.6	µg/L	EPA 200.8	0.034	0.5			
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Antimony	Total	=	84	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Antimony	Total	=	45.9	µg/L	EPA 200.8	0.034	0.5			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Antimony	Total	=	85	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Antimony	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Metal	Arsenic	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-2	Lab	LCS	12/12/2014	Metal	Arsenic	Dissolved	=	49.5	µg/L	EPA 200.8	0.13	0.4			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Arsenic	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Arsenic	Total	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-2	Lab	LCS	12/12/2014	Metal	Arsenic	Total	=	49.5	µg/L	EPA 200.8	0.13	0.4			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Arsenic	Total	=	50.7	µg/L	EPA 200.8	0.13	0.4			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Arsenic	Total	=	50.5	µg/L	EPA 200.8	0.13	0.4			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Arsenic	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Arsenic	Total	=	51.4	µg/L	EPA 200.8	0.13	0.4			
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Arsenic	Total	=	51.4	µg/L	EPA 200.8	0.13	0.4			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Arsenic	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Metal	Barium	Total	<	0.097	µg/L	EPA 200.8	0.097	0.5			
2014/15-2	Lab	LCS	12/12/2014	Metal	Barium	Total	=	52.2	µg/L	EPA 200.8	0.097	0.5			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Barium	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Barium	Total	=	111	µg/L	EPA 200.8	0.097	0.5			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Barium	Total	=	99	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Barium	Total	=	110	µg/L	EPA 200.8	0.097	0.5			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Barium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Barium	Total	=	148	µg/L	EPA 200.8	0.097	0.5			
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Barium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Barium	Total	=	147	µg/L	EPA 200.8	0.097	0.5			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Barium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Metal	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-2	Lab	LCS	12/12/2014	Metal	Beryllium	Dissolved	=	51.7	µg/L	EPA 200.8	0.015	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Beryllium	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Beryllium	Total	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-2	Lab	LCS	12/12/2014	Metal	Beryllium	Total	=	51.7	µg/L	EPA 200.8	0.015	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Beryllium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Beryllium	Total	=	49.9	µg/L	EPA 200.8	0.015	0.1			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Beryllium	Total	=	48.5	µg/L	EPA 200.8	0.015	0.1			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Beryllium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Beryllium	Total	=	50.1	µg/L	EPA 200.8	0.015	0.1			
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Beryllium	Total	=	49.9	µg/L	EPA 200.8	0.015	0.1			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Beryllium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Metal	Cadmium	Dissolved	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-2	Lab	LCS	12/12/2014	Metal	Cadmium	Dissolved	=	50.5	µg/L	EPA 200.8	0.017	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Cadmium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Cadmium	Total	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-2	Lab	LCS	12/12/2014	Metal	Cadmium	Total	=	50.5	µg/L	EPA 200.8	0.017	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Cadmium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Cadmium	Total	=	50.9	µg/L	EPA 200.8	0.017	0.1			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Cadmium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Cadmium	Total	=	50.2	µg/L	EPA 200.8	0.017	0.1			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Cadmium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Cadmium	Total	=	50.6	µg/L	EPA 200.8	0.017	0.1			
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Cadmium	Total	=	51.6	µg/L	EPA 200.8	0.017	0.1			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Cadmium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Metal	Chromium	Dissolved	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	Lab	LCS	12/12/2014	Metal	Chromium	Dissolved	=	50.7	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Chromium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Chromium	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	Lab	LCS	12/12/2014	Metal	Chromium	Total	=	50.7	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Chromium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Chromium	Total	=	58.7	µg/L	EPA 200.8	0.024	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Chromium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Chromium	Total	=	57.9	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Chromium	Total	=	60.2	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Chromium	Total	=	61	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Chromium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/4/2014	Metal	Chromium VI	n/a	=	5.11	µg/L	EPA 218.6	0.0048	0.3			
2014/15-2	000NONPJ	matrix spike dup	12/4/2014	Metal	Chromium VI	n/a	=	5.11	µg/L	EPA 218.6	0.0048	0.3			
2014/15-2	000NONPJ	matrix spike dup, rec	12/4/2014	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	88	112	
2014/15-2	000NONPJ	matrix spike, rec	12/4/2014	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	88	112	
2014/15-2	000NONPJ	matrix spike, RPD	12/4/2014	Metal	Chromium VI	n/a	=	0	%	EPA 218.6	-88	-88	0	10	
2014/15-2	Lab	LCS	12/4/2014	Metal	Chromium VI	n/a	=	5.08	µg/L	EPA 218.6	0.0048	0.3			
2014/15-2	Lab	LCS, rec	12/4/2014	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	90	110	
2014/15-2	Lab	method blank	12/4/2014	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.3			
2014/15-2	Lab	LCS	12/5/2014	Metal	Chromium VI	n/a	=	5.15	µg/L	EPA 218.6	0.0048	0.3			
2014/15-2	Lab	LCS, rec	12/5/2014	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	90	110	
2014/15-2	Lab	method blank	12/5/2014	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.3			
2014/15-2	MO-FIL	matrix spike	12/4/2014	Metal	Chromium VI	n/a	=	6.22	µg/L	EPA 218.6	0.0048	0.3			
2014/15-2	MO-FIL	matrix spike dup	12/4/2014	Metal	Chromium VI	n/a	=	6.22	µg/L	EPA 218.6	0.0048	0.3			
2014/15-2	MO-FIL	matrix spike dup, rec	12/4/2014	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2014/15-2	MO-FIL	matrix spike, rec	12/4/2014	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2014/15-2	MO-FIL	matrix spike, RPD	12/4/2014	Metal	Chromium VI	n/a	=	0.01	%	EPA 218.6	-88	-88	0	10	
2014/15-2	MO-MEI	matrix spike	12/5/2014	Metal	Chromium VI	n/a	=	5.52	µg/L	EPA 218.6	0.0048	0.3			
2014/15-2	MO-MEI	matrix spike dup	12/5/2014	Metal	Chromium VI	n/a	=	5.56	µg/L	EPA 218.6	0.0048	0.3			
2014/15-2	MO-MEI	matrix spike dup, rec	12/5/2014	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2014/15-2	MO-MEI	matrix spike, rec	12/5/2014	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2014/15-2	MO-MEI	matrix spike, RPD	12/5/2014	Metal	Chromium VI	n/a	=	0.7	%	EPA 218.6	-88	-88	0	10	
2014/15-2	MO-SPA	matrix spike	12/5/2014	Metal	Chromium VI	n/a	=	6.58	µg/L	EPA 218.6	0.0048	0.3			
2014/15-2	MO-SPA	matrix spike dup	12/5/2014	Metal	Chromium VI	n/a	=	6.59	µg/L	EPA 218.6	0.0048	0.3			
2014/15-2	MO-SPA	matrix spike dup, rec	12/5/2014	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2014/15-2	MO-SPA	matrix spike, rec	12/5/2014	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	88	112	
2014/15-2	MO-SPA	matrix spike, RPD	12/5/2014	Metal	Chromium VI	n/a	=	0.2	%	EPA 218.6	-88	-88	0	10	
2014/15-2	Lab	method blank	12/12/2014	Metal	Copper	Dissolved	DNQ	0.116	µg/L	EPA 200.8	0.036	0.5			
2014/15-2	Lab	LCS	12/12/2014	Metal	Copper	Dissolved	=	50.8	µg/L	EPA 200.8	0.036	0.5			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Copper	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Copper	Total	DNQ	0.0516	µg/L	EPA 200.8	0.036	0.5			
2014/15-2	Lab	LCS	12/12/2014	Metal	Copper	Total	=	50.8	µg/L	EPA 200.8	0.036	0.5			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Copper	Total	=	69.7	µg/L	EPA 200.8	0.036	0.5			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Copper	Total	=	69.7	µg/L	EPA 200.8	0.036	0.5			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Copper	Total	=	0.04	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Copper	Total	=	108	µg/L	EPA 200.8	0.036	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Copper	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Copper	Total	=	108	µg/L	EPA 200.8	0.036	0.5			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Copper	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Copper	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Metal	Iron	Dissolved	DNQ	1.57	µg/L	EPA 200.7	1.1	10			
2014/15-2	Lab	LCS	12/12/2014	Metal	Iron	Dissolved	=	186	µg/L	EPA 200.7	1.1	10			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Iron	Dissolved	=	93	%	EPA 200.7	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Iron	Total	DNQ	1.87	µg/L	EPA 200.7	1.1	10			
2014/15-2	Lab	LCS	12/12/2014	Metal	Iron	Total	=	186	µg/L	EPA 200.7	1.1	10			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Iron	Total	=	93	%	EPA 200.7	-88	-88	85	115	
2014/15-2	ME-VR2	matrix spike	12/12/2014	Metal	Iron	Total	=	842	µg/L	EPA 200.7	1.1	10			
2014/15-2	ME-VR2	matrix spike, rec	12/12/2014	Metal	Iron	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/12/2014	Metal	Iron	Total	=	852	µg/L	EPA 200.7	1.1	10			
2014/15-2	ME-VR2	matrix spike dup, rec	12/12/2014	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/12/2014	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2014/15-2	MO-VEN	matrix spike	12/12/2014	Metal	Iron	Total	=	2070	µg/L	EPA 200.7	1.1	10			GB
2014/15-2	MO-VEN	matrix spike, rec	12/12/2014	Metal	Iron	Total	=	60	%	EPA 200.7	-88	-88	70	130	GB
2014/15-2	MO-VEN	matrix spike dup	12/12/2014	Metal	Iron	Total	=	2140	µg/L	EPA 200.7	1.1	10			
2014/15-2	MO-VEN	matrix spike dup, rec	12/12/2014	Metal	Iron	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2014/15-2	MO-VEN	matrix spike, RPD	12/12/2014	Metal	Iron	Total	=	4	%	EPA 200.7	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Metal	Lead	Dissolved	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	Lab	LCS	12/12/2014	Metal	Lead	Dissolved	=	52.3	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Lead	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Lead	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	Lab	LCS	12/12/2014	Metal	Lead	Total	=	52.3	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Lead	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Lead	Total	=	58	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Lead	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Lead	Total	=	56.7	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Lead	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Lead	Total	=	70.9	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Lead	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Lead	Total	=	71.1	µg/L	EPA 200.8	0.024	0.2			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Lead	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Lead	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Metal	Mercury	Dissolved	=	1110	ng/L	EPA 245.1	3.9	50			
2014/15-2	000NONPJ	matrix spike	12/15/2014	Metal	Mercury	Dissolved	=	1110	ng/L	EPA 245.1	3.9	50			
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Metal	Mercury	Dissolved	=	1120	ng/L	EPA 245.1	3.9	50			
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Metal	Mercury	Dissolved	=	1110	ng/L	EPA 245.1	3.9	50			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Metal	Mercury	Dissolved	=	112	%	EPA 245.1	-88	-88	70	130	
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Metal	Mercury	Dissolved	=	111	%	EPA 245.1	-88	-88	70	130	
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Metal	Mercury	Dissolved	=	111	%	EPA 245.1	-88	-88	70	130	
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Metal	Mercury	Dissolved	=	111	%	EPA 245.1	-88	-88	70	130	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Metal	Mercury	Dissolved	=	0	%	EPA 245.1	-88	-88	0	20	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Metal	Mercury	Dissolved	=	0.9	%	EPA 245.1	-88	-88	0	20	
2014/15-2	Lab	LCS	12/15/2014	Metal	Mercury	Dissolved	=	961	ng/L	EPA 245.1	3.9	50			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS, rec	12/15/2014	Metal	Mercury	Dissolved	=	96	%	EPA 245.1	-88	-88	85	115	
2014/15-2	Lab	method blank	12/15/2014	Metal	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-2	000NONPJ	matrix spike	12/15/2014	Metal	Mercury	Total	=	1110	ng/L	EPA 245.1	3.9	50			
2014/15-2	000NONPJ	matrix spike	12/15/2014	Metal	Mercury	Total	=	1110	ng/L	EPA 245.1	3.9	50			
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Metal	Mercury	Total	=	1120	ng/L	EPA 245.1	3.9	50			
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Metal	Mercury	Total	=	1110	ng/L	EPA 245.1	3.9	50			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Metal	Mercury	Total	=	112	%	EPA 245.1	-88	-88	70	130	
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Metal	Mercury	Total	=	111	%	EPA 245.1	-88	-88	70	130	
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Metal	Mercury	Total	=	111	%	EPA 245.1	-88	-88	70	130	
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Metal	Mercury	Total	=	111	%	EPA 245.1	-88	-88	70	130	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Metal	Mercury	Total	=	0.9	%	EPA 245.1	-88	-88	0	20	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Metal	Mercury	Total	=	0	%	EPA 245.1	-88	-88	0	20	
2014/15-2	Lab	LCS	12/15/2014	Metal	Mercury	Total	=	961	ng/L	EPA 245.1	3.9	50			
2014/15-2	Lab	LCS, rec	12/15/2014	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	85	115	
2014/15-2	Lab	method blank	12/15/2014	Metal	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-2	Lab	method blank	12/12/2014	Metal	Nickel	Dissolved	<	0.091	µg/L	EPA 200.8	0.091	0.8			
2014/15-2	Lab	LCS	12/12/2014	Metal	Nickel	Dissolved	=	51.3	µg/L	EPA 200.8	0.091	0.8			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Nickel	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Nickel	Total	<	0.091	µg/L	EPA 200.8	0.091	0.8			
2014/15-2	Lab	LCS	12/12/2014	Metal	Nickel	Total	=	51.3	µg/L	EPA 200.8	0.091	0.8			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Nickel	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Nickel	Total	=	64.9	µg/L	EPA 200.8	0.091	0.8			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Nickel	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Nickel	Total	=	64.4	µg/L	EPA 200.8	0.091	0.8			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Nickel	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Nickel	Total	=	62.5	µg/L	EPA 200.8	0.091	0.8			
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Nickel	Total	=	62.4	µg/L	EPA 200.8	0.091	0.8			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Nickel	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Nickel	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Metal	Selenium	Dissolved	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-2	Lab	LCS	12/12/2014	Metal	Selenium	Dissolved	=	50.2	µg/L	EPA 200.8	0.081	0.4			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Selenium	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Selenium	Total	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-2	Lab	LCS	12/12/2014	Metal	Selenium	Total	=	50.2	µg/L	EPA 200.8	0.081	0.4			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Selenium	Total	=	50	µg/L	EPA 200.8	0.081	0.4			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Selenium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Selenium	Total	=	48.7	µg/L	EPA 200.8	0.081	0.4			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Selenium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Selenium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Selenium	Total	=	49	µg/L	EPA 200.8	0.081	0.4			
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Selenium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Selenium	Total	=	49.8	µg/L	EPA 200.8	0.081	0.4			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	method blank	12/12/2014	Metal	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2			
2014/15-2	Lab	LCS	12/12/2014	Metal	Silver	Dissolved	=	53.6	µg/L	EPA 200.8	0.012	0.2			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Silver	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Silver	Dissolved	=	51.1	µg/L	EPA 200.8	0.012	0.2			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Silver	Dissolved	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	Lab	method blank	12/12/2014	Metal	Silver	Total	<	0.012	µg/L	EPA 200.8	0.012	0.2			
2014/15-2	Lab	LCS	12/12/2014	Metal	Silver	Total	=	53.6	µg/L	EPA 200.8	0.012	0.2			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Silver	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Silver	Total	=	51.1	µg/L	EPA 200.8	0.012	0.2			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Silver	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Silver	Total	=	51.3	µg/L	EPA 200.8	0.012	0.2			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Silver	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Silver	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Silver	Total	=	51.3	µg/L	EPA 200.8	0.012	0.2			
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Silver	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Silver	Total	=	51.5	µg/L	EPA 200.8	0.012	0.2			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Silver	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Silver	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Metal	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-2	Lab	LCS	12/12/2014	Metal	Thallium	Dissolved	=	53.4	µg/L	EPA 200.8	0.034	0.2			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Thallium	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-2	Lab	LCS	12/12/2014	Metal	Thallium	Total	=	53.4	µg/L	EPA 200.8	0.034	0.2			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Thallium	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Thallium	Total	=	52.3	µg/L	EPA 200.8	0.034	0.2			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Thallium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Thallium	Total	=	51.9	µg/L	EPA 200.8	0.034	0.2			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Thallium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Thallium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Thallium	Total	=	52.2	µg/L	EPA 200.8	0.034	0.2			
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Thallium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Thallium	Total	=	51.5	µg/L	EPA 200.8	0.034	0.2			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Thallium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Metal	Zinc	Dissolved	DNQ	1.57	µg/L	EPA 200.8	0.5	5			
2014/15-2	Lab	LCS	12/12/2014	Metal	Zinc	Dissolved	=	51.4	µg/L	EPA 200.8	0.5	5			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Zinc	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-2	Lab	method blank	12/12/2014	Metal	Zinc	Total	DNQ	1.02	µg/L	EPA 200.8	0.5	5			
2014/15-2	Lab	LCS	12/12/2014	Metal	Zinc	Total	=	51.4	µg/L	EPA 200.8	0.5	5			
2014/15-2	Lab	LCS, rec	12/12/2014	Metal	Zinc	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-2	MO-MEI	matrix spike	12/12/2014	Metal	Zinc	Total	=	129	µg/L	EPA 200.8	0.5	5			
2014/15-2	MO-MEI	matrix spike, rec	12/12/2014	Metal	Zinc	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike dup	12/12/2014	Metal	Zinc	Total	=	129	µg/L	EPA 200.8	0.5	5			
2014/15-2	MO-MEI	matrix spike dup, rec	12/12/2014	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-MEI	matrix spike, RPD	12/12/2014	Metal	Zinc	Total	=	0.08	%	EPA 200.8	-88	-88	0	30	
2014/15-2	MO-OXN	matrix spike	12/12/2014	Metal	Zinc	Total	=	354	µg/L	EPA 200.8	0.5	5			
2014/15-2	MO-OXN	matrix spike, rec	12/12/2014	Metal	Zinc	Total	=	103	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	MO-OXN	matrix spike dup	12/12/2014	Metal	Zinc	Total	=	345	µg/L	EPA 200.8	0.5	5			
2014/15-2	MO-OXN	matrix spike dup, rec	12/12/2014	Metal	Zinc	Total	=	83	%	EPA 200.8	-88	-88	70	130	
2014/15-2	MO-OXN	matrix spike, RPD	12/12/2014	Metal	Zinc	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/12/2014	Nutrient	Ammonia as N	n/a	=	0.343	mg/L	EPA 350.1	0.048	0.1			
2014/15-2	000NONPJ	matrix spike dup	12/12/2014	Nutrient	Ammonia as N	n/a	=	0.339	mg/L	EPA 350.1	0.048	0.1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/12/2014	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, rec	12/12/2014	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, RPD	12/12/2014	Nutrient	Ammonia as N	n/a	=	1	%	EPA 350.1	-88	-88	0	15	
2014/15-2	000NONPJ	lab duplicate	12/17/2014	Nutrient	Ammonia as N	n/a	=	0.694	mg/L	EPA 350.1	0.048	0.1			
2014/15-2	000NONPJ	matrix spike	12/17/2014	Nutrient	Ammonia as N	n/a	=	1.94	mg/L	EPA 350.1	0.24	0.5			
2014/15-2	000NONPJ	matrix spike dup	12/17/2014	Nutrient	Ammonia as N	n/a	=	1.74	mg/L	EPA 350.1	0.24	0.5			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/17/2014	Nutrient	Ammonia as N	n/a	=	84	%	EPA 350.1	-88	-88	90	110	GB
2014/15-2	000NONPJ	matrix spike, rec	12/17/2014	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, RPD	12/17/2014	Nutrient	Ammonia as N	n/a	=	11	%	EPA 350.1	-88	-88	0	15	
2014/15-2	Lab	LCS	12/12/2014	Nutrient	Ammonia as N	n/a	=	0.261	mg/L	EPA 350.1	0.048	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2014/15-2	Lab	method blank	12/12/2014	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-2	Lab	LCS	12/17/2014	Nutrient	Ammonia as N	n/a	=	0.244	mg/L	EPA 350.1	0.048	0.1			
2014/15-2	Lab	LCS, rec	12/17/2014	Nutrient	Ammonia as N	n/a	=	98	%	EPA 350.1	-88	-88	90	110	
2014/15-2	Lab	method blank	12/17/2014	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-2	000NONPJ	matrix spike	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2.09	mg/L	EPA 353.2	0.01	0.1			
2014/15-2	000NONPJ	matrix spike, rec	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike dup	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2.13	mg/L	EPA 353.2	0.01	0.1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, RPD	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2014/15-2	000NONPJ	matrix spike	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2.06	mg/L	EPA 353.2	0.01	0.1			
2014/15-2	000NONPJ	matrix spike, rec	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	103	%	EPA 353.2	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike dup	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2.04	mg/L	EPA 353.2	0.01	0.1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, RPD	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	0.9	%	EPA 353.2	-88	-88	0	20	
2014/15-2	000NONPJ	matrix spike	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	5.76	mg/L	EPA 353.2	0.01	0.1			
2014/15-2	000NONPJ	matrix spike, rec	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	109	%	EPA 353.2	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike dup	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	5.75	mg/L	EPA 353.2	0.01	0.1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	109	%	EPA 353.2	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, RPD	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	0.2	%	EPA 353.2	-88	-88	0	20	
2014/15-2	000NONPJ	matrix spike	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	7.11	mg/L	EPA 353.2	0.01	0.1			
2014/15-2	000NONPJ	matrix spike, rec	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	95	%	EPA 353.2	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike dup	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	7.36	mg/L	EPA 353.2	0.01	0.1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	108	%	EPA 353.2	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, RPD	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	3	%	EPA 353.2	-88	-88	0	20	
2014/15-2	Lab	method blank	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-2	Lab	LCS	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	1.04	mg/L	EPA 353.2	0.01	0.1			
2014/15-2	Lab	LCS, rec	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2014/15-2	Lab	method blank	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	DNQ	0.012	mg/L	EPA 353.2	0.01	0.1			
2014/15-2	Lab	LCS	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.01	0.1			
2014/15-2	Lab	LCS, rec	12/16/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	110	%	EPA 353.2	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Nutrient	Phosphorus as P	Dissolved	=	0.0509	mg/L	EPA 365.1	0.0014	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Nutrient	Phosphorus as P	Dissolved	=	99	%	EPA 365.1	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Nutrient	Phosphorus as P	Dissolved	=	0.0501	mg/L	EPA 365.1	0.0014	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Nutrient	Phosphorus as P	Dissolved	=	97	%	EPA 365.1	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Nutrient	Phosphorus as P	Dissolved	=	2	%	EPA 365.1	-88	-88	0	20	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Nutrient	Phosphorus as P	Dissolved	=	0.0488	mg/L	EPA 365.1	0.0014	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Nutrient	Phosphorus as P	Dissolved	=	98	%	EPA 365.1	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Nutrient	Phosphorus as P	Dissolved	=	0.0485	mg/L	EPA 365.1	0.0014	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Nutrient	Phosphorus as P	Dissolved	=	97	%	EPA 365.1	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Nutrient	Phosphorus as P	Dissolved	=	0.6	%	EPA 365.1	-88	-88	0	20	
2014/15-2	Lab	method blank	12/15/2014	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-2	Lab	LCS	12/15/2014	Nutrient	Phosphorus as P	Dissolved	=	0.0495	mg/L	EPA 365.1	0.0014	0.01			
2014/15-2	Lab	LCS, rec	12/15/2014	Nutrient	Phosphorus as P	Dissolved	=	99	%	EPA 365.1	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike	12/18/2014	Nutrient	Phosphorus as P	Total	=	0.99	mg/L	EPA 365.1	0.007	0.05			
2014/15-2	000NONPJ	matrix spike, rec	12/18/2014	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike dup	12/18/2014	Nutrient	Phosphorus as P	Total	=	0.99	mg/L	EPA 365.1	0.007	0.05			
2014/15-2	000NONPJ	matrix spike dup, rec	12/18/2014	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2014/15-2	000NONPJ	matrix spike, RPD	12/18/2014	Nutrient	Phosphorus as P	Total	=	0	%	EPA 365.1	-88	-88	0	20	
2014/15-2	000NONPJ	matrix spike	12/18/2014	Nutrient	Phosphorus as P	Total	=	0.39	mg/L	EPA 365.1	0.0028	0.02			GB
2014/15-2	000NONPJ	matrix spike, rec	12/18/2014	Nutrient	Phosphorus as P	Total	=	120	%	EPA 365.1	-88	-88	90	110	GB
2014/15-2	000NONPJ	matrix spike dup	12/18/2014	Nutrient	Phosphorus as P	Total	=	0.386	mg/L	EPA 365.1	0.0028	0.02			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/18/2014	Nutrient	Phosphorus as P	Total	=	116	%	EPA 365.1	-88	-88	90	110	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/18/2014	Nutrient	Phosphorus as P	Total	=	1	%	EPA 365.1	-88	-88	0	20	
2014/15-2	000NONPJ	lab duplicate	12/18/2014	Nutrient	Phosphorus as P	Total	DNQ	0.0021	mg/L	EPA 365.1	0.0014	0.01			
2014/15-2	Lab	method blank	12/18/2014	Nutrient	Phosphorus as P	Total	DNQ	0.0017	mg/L	EPA 365.1	0.0014	0.01			
2014/15-2	Lab	LCS	12/18/2014	Nutrient	Phosphorus as P	Total	=	0.0502	mg/L	EPA 365.1	0.0014	0.01			
2014/15-2	Lab	LCS, rec	12/18/2014	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2014/15-2	000NONPJ	lab duplicate	12/16/2014	Nutrient	TKN	n/a	=	3.58	mg/L	EPA 351.2	0.05	0.1			
2014/15-2	000NONPJ	matrix spike	12/16/2014	Nutrient	TKN	n/a	=	4.55	mg/L	EPA 351.2	0.05	0.1			GB
2014/15-2	000NONPJ	matrix spike dup	12/16/2014	Nutrient	TKN	n/a	=	4.56	mg/L	EPA 351.2	0.05	0.1			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/16/2014	Nutrient	TKN	n/a	=	85	%	EPA 351.2	-88	-88	90	110	GB
2014/15-2	000NONPJ	matrix spike, rec	12/16/2014	Nutrient	TKN	n/a	=	84	%	EPA 351.2	-88	-88	90	110	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/16/2014	Nutrient	TKN	n/a	=	0.1	%	EPA 351.2	-88	-88	0	10	
2014/15-2	Lab	LCS	12/16/2014	Nutrient	TKN	n/a	=	0.955	mg/L	EPA 351.2	0.05	0.1			
2014/15-2	Lab	LCS	12/16/2014	Nutrient	TKN	n/a	=	0.95	mg/L	EPA 351.2	0.05	0.1			
2014/15-2	Lab	LCS, rec	12/16/2014	Nutrient	TKN	n/a	=	95	%	EPA 351.2	-88	-88	90	110	
2014/15-2	Lab	LCS, rec	12/16/2014	Nutrient	TKN	n/a	=	95	%	EPA 351.2	-88	-88	90	110	
2014/15-2	Lab	method blank	12/16/2014	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-2	Lab	method blank	12/16/2014	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-2	ME-VR2	matrix spike	12/16/2014	Nutrient	TKN	n/a	=	1.52	mg/L	EPA 351.2	0.05	0.1			
2014/15-2	ME-VR2	matrix spike dup	12/16/2014	Nutrient	TKN	n/a	=	1.51	mg/L	EPA 351.2	0.05	0.1			
2014/15-2	ME-VR2	matrix spike dup, rec	12/16/2014	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2014/15-2	ME-VR2	matrix spike, rec	12/16/2014	Nutrient	TKN	n/a	=	104	%	EPA 351.2	-88	-88	90	110	
2014/15-2	ME-VR2	matrix spike, RPD	12/16/2014	Nutrient	TKN	n/a	=	0.5	%	EPA 351.2	-88	-88	0	10	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	20.6	µg/L	EPA 625	0.55	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	83	%	EPA 625	-88	-88	44	142	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	20.7	µg/L	EPA 625	0.55	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	83	%	EPA 625	-88	-88	44	142	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	0.1	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	15.1	µg/L	EPA 625	0.55	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	60	%	EPA 625	-88	-88	44	142	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	1,2-Dichlorobenzene	n/a	=	17.6	µg/L	EPA 625	0.57	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	1,2-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	32	129	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	1,2-Dichlorobenzene	n/a	=	17.7	µg/L	EPA 625	0.57	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	1,2-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	32	129	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	1,2-Dichlorobenzene	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	1,2-Dichlorobenzene	n/a	=	13.9	µg/L	EPA 625	0.57	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	1,2-Dichlorobenzene	n/a	=	56	%	EPA 625	-88	-88	32	129	
2014/15-2	Lab	srgt LCS	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2014/15-2	Lab	srgt LCS dup	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2014/15-2	Lab	srgt method blank	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	52.9	µg/L	EPA 624	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	106	%	EPA 624	-88	-88	82	125	
2014/15-2	ME-VR2	srgt environ	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	54.8	µg/L	EPA 624	-88	-88			
2014/15-2	ME-VR2	srgt environ, rec	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	110	%	EPA 624	-88	-88	82	125	
2014/15-2	MO-FIL	srgt environ	12/8/2014	Organic	1,2-Dichloroethane-d4	n/a	=	54	µg/L	EPA 624	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/8/2014	Organic	1,2-Dichloroethane-d4	n/a	=	108	%	EPA 624	-88	-88	82	125	
2014/15-2	MO-MEI	srgt environ	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	53.7	µg/L	EPA 624	-88	-88			
2014/15-2	MO-MEI	srgt environ, rec	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	107	%	EPA 624	-88	-88	82	125	
2014/15-2	MO-OJA	srgt environ	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	55.8	µg/L	EPA 624	-88	-88			
2014/15-2	MO-OJA	srgt environ, rec	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	112	%	EPA 624	-88	-88	82	125	
2014/15-2	MO-OXN	srgt environ	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	55.4	µg/L	EPA 624	-88	-88			
2014/15-2	MO-OXN	srgt environ, rec	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	111	%	EPA 624	-88	-88	82	125	
2014/15-2	MO-OXN	srgt field duplicate	12/8/2014	Organic	1,2-Dichloroethane-d4	n/a	=	54.9	µg/L	EPA 624	-88	-88			
2014/15-2	MO-OXN	srgt field duplicate, rec	12/8/2014	Organic	1,2-Dichloroethane-d4	n/a	=	110	%	EPA 624	-88	-88	82	125	
2014/15-2	MO-SPA	srgt environ	12/8/2014	Organic	1,2-Dichloroethane-d4	n/a	=	54.3	µg/L	EPA 624	-88	-88			
2014/15-2	MO-SPA	srgt environ, rec	12/8/2014	Organic	1,2-Dichloroethane-d4	n/a	=	109	%	EPA 624	-88	-88	82	125	
2014/15-2	MO-VEN	srgt environ	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	56.3	µg/L	EPA 624	-88	-88			
2014/15-2	MO-VEN	srgt environ, rec	12/7/2014	Organic	1,2-Dichloroethane-d4	n/a	=	113	%	EPA 624	-88	-88	82	125	
2014/15-2	Lab	method blank	12/11/2014	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	1,3-Dichlorobenzene	n/a	=	16.3	µg/L	EPA 625	0.53	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	1,3-Dichlorobenzene	n/a	=	65	%	EPA 625	-88	-88	0.1	172	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	1,3-Dichlorobenzene	n/a	=	16.5	µg/L	EPA 625	0.53	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	1,3-Dichlorobenzene	n/a	=	66	%	EPA 625	-88	-88	0.1	172	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	1,3-Dichlorobenzene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	1,3-Dichlorobenzene	n/a	=	13.4	µg/L	EPA 625	0.53	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	1,3-Dichlorobenzene	n/a	=	54	%	EPA 625	-88	-88	0.1	172	
2014/15-2	000NONPJ	srgt matrix spike	12/5/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.423	µg/L	EPA 525.2m	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike, rec	12/5/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	000NONPJ	srgt matrix spike dup	12/5/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.424	µg/L	EPA 525.2m	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/5/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	85	%	EPA 525.2m	-88	-88	76	128	

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Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	srgt matrix spike	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.43	µg/L	EPA 525.2m	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike, rec	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	000NONPJ	srgt matrix spike dup	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.475	µg/L	EPA 525.2m	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	000NONPJ	srgt matrix spike	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.473	µg/L	EPA 525.2m	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike, rec	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	000NONPJ	srgt matrix spike dup	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.441	µg/L	EPA 525.2m	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	88	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	Lab	srgt method blank	12/5/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.456	µg/L	EPA 525.2m	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/5/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	Lab	srgt LCS	12/5/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.46	µg/L	EPA 525.2m	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/5/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	Lab	srgt method blank	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.436	µg/L	EPA 525.2m	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	87	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	Lab	srgt LCS	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.447	µg/L	EPA 525.2m	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	Lab	srgt method blank	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.07	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	73	138	
2014/15-2	Lab	srgt LCS	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.2	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	73	138	
2014/15-2	Lab	srgt LCS dup	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.06	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	73	138	
2014/15-2	Lab	srgt method blank	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.81	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	73	138	
2014/15-2	Lab	srgt LCS	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.9	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2	-88	-88	73	138	
2014/15-2	Lab	srgt LCS dup	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.13	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	73	138	
2014/15-2	ME-VR2	srgt environ	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.477	µg/L	EPA 525.2m	-88	-88			
2014/15-2	ME-VR2	srgt environ, rec	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	ME-VR2	srgt environ	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.3	µg/L	EPA 525.2	-88	-88			
2014/15-2	ME-VR2	srgt environ, rec	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	73	138	
2014/15-2	MO-FIL	srgt environ	12/5/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.455	µg/L	EPA 525.2m	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/5/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	MO-FIL	srgt environ	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.98	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2014/15-2	MO-MEI	srgt environ	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.429	µg/L	EPA 525.2m	-88	-88			
2014/15-2	MO-MEI	srgt environ, rec	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	MO-MEI	srgt environ	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.95	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-MEI	srgt environ, rec	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2	-88	-88	73	138	
2014/15-2	MO-OJA	srgt environ	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.416	µg/L	EPA 525.2m	-88	-88			
2014/15-2	MO-OJA	srgt environ, rec	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	83	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	MO-OJA	srgt environ	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.22	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-OJA	srgt environ, rec	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	73	138	
2014/15-2	MO-OXN	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.01	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-OXN	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2	-88	-88	73	138	
2014/15-2	MO-SPA	srgt environ	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.432	µg/L	EPA 525.2m	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	MO-SPA	srgt environ, rec	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	MO-SPA	srgt environ	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.01	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-SPA	srgt environ, rec	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2014/15-2	MO-VEN	srgt environ	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.429	µg/L	EPA 525.2m	-88	-88			
2014/15-2	MO-VEN	srgt environ, rec	12/9/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2014/15-2	MO-VEN	srgt environ	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.96	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-VEN	srgt environ, rec	12/15/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	73	138	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	1,4-Dichlorobenzene	n/a	=	18.2	µg/L	EPA 625	0.55	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	1,4-Dichlorobenzene	n/a	=	73	%	EPA 625	-88	-88	20	124	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	1,4-Dichlorobenzene	n/a	=	18.1	µg/L	EPA 625	0.55	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	1,4-Dichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	20	124	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	1,4-Dichlorobenzene	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	1,4-Dichlorobenzene	n/a	=	14.3	µg/L	EPA 625	0.55	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	1,4-Dichlorobenzene	n/a	=	57	%	EPA 625	-88	-88	20	124	
2014/15-2	Lab	method blank	12/12/2014	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	method blank	12/12/2014	Organic	1-Methylphenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	method blank	12/19/2014	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1			
2014/15-2	000NONPJ	srgt matrix spike	12/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	44.5	µg/L	EPA 625	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike, rec	12/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 625	-88	-88	25	102	
2014/15-2	000NONPJ	srgt matrix spike dup	12/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	44.5	µg/L	EPA 625	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 625	-88	-88	25	102	
2014/15-2	Lab	srgt method blank	12/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	32.7	µg/L	EPA 625	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	65	%	EPA 625	-88	-88	25	102	
2014/15-2	Lab	srgt LCS	12/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	36.3	µg/L	EPA 625	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2014/15-2	Lab	srgt method blank	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	6.91	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 8270Cm	-88	-88	26	117	
2014/15-2	Lab	srgt LCS	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	7.68	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 8270Cm	-88	-88	26	117	
2014/15-2	Lab	srgt LCS dup	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	7.17	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 8270Cm	-88	-88	26	117	
2014/15-2	MO-FIL	srgt environ	12/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	45.8	µg/L	EPA 625	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/11/2014	Organic	2,4,6-Tribromophenol	n/a	=	92	%	EPA 625	-88	-88	25	102	
2014/15-2	MO-FIL	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	9.63	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	96	%	EPA 8270Cm	-88	-88	26	117	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	2,4,6-Trichlorophenol	n/a	=	24.2	µg/L	EPA 625	0.22	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	2,4,6-Trichlorophenol	n/a	=	97	%	EPA 625	-88	-88	37	144	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	2,4,6-Trichlorophenol	n/a	=	25.2	µg/L	EPA 625	0.22	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	2,4,6-Trichlorophenol	n/a	=	101	%	EPA 625	-88	-88	37	144	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	2,4,6-Trichlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	2,4,6-Trichlorophenol	n/a	=	17.6	µg/L	EPA 625	0.22	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	2,4,6-Trichlorophenol	n/a	=	71	%	EPA 625	-88	-88	37	144	
2014/15-2	Lab	method blank	12/19/2014	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-2	Lab	LCS	12/19/2014	Organic	2,4,6-Trichlorophenol	n/a	=	8.63	µg/L	EPA 8270Cm	0.3	1			
2014/15-2	Lab	LCS, rec	12/19/2014	Organic	2,4,6-Trichlorophenol	n/a	=	86	%	EPA 8270Cm	-88	-88	30	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS dup	12/20/2014	Organic	2,4,6-Trichlorophenol	n/a	=	8.42	µg/L	EPA 8270Cm	0.3	1			
2014/15-2	Lab	LCS dup, rec	12/20/2014	Organic	2,4,6-Trichlorophenol	n/a	=	84	%	EPA 8270Cm	-88	-88	30	115	
2014/15-2	Lab	LCS, RPD	12/20/2014	Organic	2,4,6-Trichlorophenol	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	2,4-Dichlorophenol	n/a	=	25.1	µg/L	EPA 625	0.26	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	2,4-Dichlorophenol	n/a	=	100	%	EPA 625	-88	-88	39	135	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	2,4-Dichlorophenol	n/a	=	26.4	µg/L	EPA 625	0.26	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	2,4-Dichlorophenol	n/a	=	105	%	EPA 625	-88	-88	39	135	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	2,4-Dichlorophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	2,4-Dichlorophenol	n/a	=	16	µg/L	EPA 625	0.26	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	2,4-Dichlorophenol	n/a	=	64	%	EPA 625	-88	-88	39	135	
2014/15-2	Lab	method blank	12/19/2014	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1			
2014/15-2	Lab	LCS	12/19/2014	Organic	2,4-Dichlorophenol	n/a	=	7.81	µg/L	EPA 8270Cm	0.51	1			
2014/15-2	Lab	LCS, rec	12/19/2014	Organic	2,4-Dichlorophenol	n/a	=	78	%	EPA 8270Cm	-88	-88	32	105	
2014/15-2	Lab	LCS dup	12/20/2014	Organic	2,4-Dichlorophenol	n/a	=	7.61	µg/L	EPA 8270Cm	0.51	1			
2014/15-2	Lab	LCS dup, rec	12/20/2014	Organic	2,4-Dichlorophenol	n/a	=	76	%	EPA 8270Cm	-88	-88	32	105	
2014/15-2	Lab	LCS, RPD	12/20/2014	Organic	2,4-Dichlorophenol	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	Lab	srgt method blank	12/5/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.64	µg/L	EPA 515.3	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/5/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-2	Lab	srgt LCS	12/5/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/5/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	srgt matrix spike	12/5/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.77	µg/L	EPA 515.3	-88	-88			
2014/15-2	ME-VR2	srgt matrix spike, rec	12/5/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	srgt matrix spike dup	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.58	µg/L	EPA 515.3	-88	-88			
2014/15-2	ME-VR2	srgt matrix spike dup, rec	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	srgt environ	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.14	µg/L	EPA 515.3	-88	-88			
2014/15-2	ME-VR2	srgt environ, rec	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-2	MO-FIL	srgt environ	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.84	µg/L	EPA 515.3	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-2	MO-MEI	srgt environ	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.84	µg/L	EPA 515.3	-88	-88			
2014/15-2	MO-MEI	srgt environ, rec	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-2	MO-OXN	srgt environ	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.94	µg/L	EPA 515.3	-88	-88			
2014/15-2	MO-OXN	srgt environ, rec	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-2	MO-SPA	srgt environ	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2014/15-2	MO-SPA	srgt environ, rec	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-2	MO-VEN	srgt environ	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.52	µg/L	EPA 515.3	-88	-88			
2014/15-2	MO-VEN	srgt environ, rec	12/6/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	2,4-Dimethylphenol	n/a	=	21.1	µg/L	EPA 625	0.3	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	2,4-Dimethylphenol	n/a	=	84	%	EPA 625	-88	-88	32	119	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	2,4-Dimethylphenol	n/a	=	22.2	µg/L	EPA 625	0.3	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	2,4-Dimethylphenol	n/a	=	89	%	EPA 625	-88	-88	32	119	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	2,4-Dimethylphenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	2,4-Dimethylphenol	n/a	=	12.1	µg/L	EPA 625	0.3	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	2,4-Dimethylphenol	n/a	=	48	%	EPA 625	-88	-88	32	119	
2014/15-2	Lab	method blank	12/19/2014	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-2	Lab	LCS	12/19/2014	Organic	2,4-Dimethylphenol	n/a	=	2.84	µg/L	EPA 8270Cm	1	2			EUM

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS, rec	12/19/2014	Organic	2,4-Dimethylphenol	n/a	=	28	%	EPA 8270Cm	-88	-88	31	97	EUM
2014/15-2	Lab	LCS dup	12/20/2014	Organic	2,4-Dimethylphenol	n/a	=	3.83	µg/L	EPA 8270Cm	1	2			
2014/15-2	Lab	LCS dup, rec	12/20/2014	Organic	2,4-Dimethylphenol	n/a	=	38	%	EPA 8270Cm	-88	-88	31	97	
2014/15-2	Lab	LCS, RPD	12/20/2014	Organic	2,4-Dimethylphenol	n/a	=	30	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	2,4-Dinitrophenol	n/a	=	26.2	µg/L	EPA 625	1.6	10			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	2,4-Dinitrophenol	n/a	=	105	%	EPA 625	-88	-88	0.1	191	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	2,4-Dinitrophenol	n/a	=	27.6	µg/L	EPA 625	1.6	10			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	2,4-Dinitrophenol	n/a	=	110	%	EPA 625	-88	-88	0.1	191	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	2,4-Dinitrophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-2	Lab	LCS	12/11/2014	Organic	2,4-Dinitrophenol	n/a	=	17.7	µg/L	EPA 625	1.6	10			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	2,4-Dinitrophenol	n/a	=	71	%	EPA 625	-88	-88	0.1	191	
2014/15-2	Lab	method blank	12/19/2014	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-2	Lab	LCS	12/19/2014	Organic	2,4-Dinitrophenol	n/a	DNQ	1.45	µg/L	EPA 8270Cm	1	2			
2014/15-2	Lab	LCS, rec	12/19/2014	Organic	2,4-Dinitrophenol	n/a	=	14	%	EPA 8270Cm	-88	-88	7	155	
2014/15-2	Lab	LCS dup	12/20/2014	Organic	2,4-Dinitrophenol	n/a	DNQ	1.37	µg/L	EPA 8270Cm	1	2			
2014/15-2	Lab	LCS dup, rec	12/20/2014	Organic	2,4-Dinitrophenol	n/a	=	14	%	EPA 8270Cm	-88	-88	7	155	
2014/15-2	Lab	LCS, RPD	12/20/2014	Organic	2,4-Dinitrophenol	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	2,4-Dinitrotoluene	n/a	=	20.1	µg/L	EPA 625	0.18	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	2,4-Dinitrotoluene	n/a	=	80	%	EPA 625	-88	-88	39	139	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	2,4-Dinitrotoluene	n/a	=	22.4	µg/L	EPA 625	0.18	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	2,4-Dinitrotoluene	n/a	=	90	%	EPA 625	-88	-88	39	139	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	2,4-Dinitrotoluene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	2,4-Dinitrotoluene	n/a	=	18.5	µg/L	EPA 625	0.18	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	2,4-Dinitrotoluene	n/a	=	74	%	EPA 625	-88	-88	39	139	
2014/15-2	Lab	method blank	12/12/2014	Organic	2,6-Dimethylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	2,6-Dinitrotoluene	n/a	=	23.2	µg/L	EPA 625	0.27	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	2,6-Dinitrotoluene	n/a	=	93	%	EPA 625	-88	-88	50	158	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	2,6-Dinitrotoluene	n/a	=	25	µg/L	EPA 625	0.27	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	2,6-Dinitrotoluene	n/a	=	100	%	EPA 625	-88	-88	50	158	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	2,6-Dinitrotoluene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	2,6-Dinitrotoluene	n/a	=	17.4	µg/L	EPA 625	0.27	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	2,6-Dinitrotoluene	n/a	=	69	%	EPA 625	-88	-88	50	158	
2014/15-2	Lab	LCS	12/7/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	49	µg/L	EPA 624	0.28	1			
2014/15-2	Lab	LCS, rec	12/7/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	98	%	EPA 624	-88	-88	0.1	305	
2014/15-2	Lab	LCS dup	12/7/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	49.1	µg/L	EPA 624	0.28	1			
2014/15-2	Lab	LCS dup, rec	12/7/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	98	%	EPA 624	-88	-88	0.1	305	
2014/15-2	Lab	LCS, RPD	12/7/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	0.2	%	EPA 624	-88	-88	0	25	
2014/15-2	Lab	method blank	12/7/2014	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2014/15-2	MO-OXN	field duplicate	12/8/2014	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	2-Chloronaphthalene	n/a	=	18.8	µg/L	EPA 625	0.45	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	2-Chloronaphthalene	n/a	=	75	%	EPA 625	-88	-88	60	118	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	2-Chloronaphthalene	n/a	=	19.1	µg/L	EPA 625	0.45	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	2-Chloronaphthalene	n/a	=	76	%	EPA 625	-88	-88	60	118	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	2-Chloronaphthalene	n/a	=	2	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	method blank	12/11/2014	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	2-Chloronaphthalene	n/a	=	14	µg/L	EPA 625	0.45	1			EUM
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	2-Chloronaphthalene	n/a	=	56	%	EPA 625	-88	-88	60	118	EUM
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	2-Chlorophenol	n/a	=	17.9	µg/L	EPA 625	0.28	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	2-Chlorophenol	n/a	=	72	%	EPA 625	-88	-88	23	134	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	2-Chlorophenol	n/a	=	18.3	µg/L	EPA 625	0.28	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	2-Chlorophenol	n/a	=	73	%	EPA 625	-88	-88	23	134	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	2-Chlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	2-Chlorophenol	n/a	=	13.4	µg/L	EPA 625	0.28	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	2-Chlorophenol	n/a	=	54	%	EPA 625	-88	-88	23	134	
2014/15-2	Lab	method blank	12/19/2014	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1			
2014/15-2	Lab	LCS	12/19/2014	Organic	2-Chlorophenol	n/a	=	7.18	µg/L	EPA 8270Cm	0.65	1			
2014/15-2	Lab	LCS, rec	12/19/2014	Organic	2-Chlorophenol	n/a	=	72	%	EPA 8270Cm	-88	-88	27	90	
2014/15-2	Lab	LCS dup	12/20/2014	Organic	2-Chlorophenol	n/a	=	7.32	µg/L	EPA 8270Cm	0.65	1			
2014/15-2	Lab	LCS dup, rec	12/20/2014	Organic	2-Chlorophenol	n/a	=	73	%	EPA 8270Cm	-88	-88	27	90	
2014/15-2	Lab	LCS, RPD	12/20/2014	Organic	2-Chlorophenol	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	srgt matrix spike	12/11/2014	Organic	2-Fluorobiphenyl	n/a	=	21.7	µg/L	EPA 625	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike, rec	12/11/2014	Organic	2-Fluorobiphenyl	n/a	=	87	%	EPA 625	-88	-88	22	107	
2014/15-2	000NONPJ	srgt matrix spike dup	12/11/2014	Organic	2-Fluorobiphenyl	n/a	=	22.1	µg/L	EPA 625	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/11/2014	Organic	2-Fluorobiphenyl	n/a	=	88	%	EPA 625	-88	-88	22	107	
2014/15-2	Lab	srgt method blank	12/11/2014	Organic	2-Fluorobiphenyl	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/11/2014	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 625	-88	-88	22	107	
2014/15-2	Lab	srgt LCS	12/11/2014	Organic	2-Fluorobiphenyl	n/a	=	17.2	µg/L	EPA 625	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/11/2014	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 625	-88	-88	22	107	
2014/15-2	Lab	srgt method blank	12/12/2014	Organic	2-Fluorobiphenyl	n/a	=	3.64	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/12/2014	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 8270Cm	-88	-88	51	139	
2014/15-2	Lab	srgt LCS	12/12/2014	Organic	2-Fluorobiphenyl	n/a	=	3.66	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/12/2014	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 8270Cm	-88	-88	51	139	
2014/15-2	Lab	srgt LCS dup	12/12/2014	Organic	2-Fluorobiphenyl	n/a	=	3.57	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/12/2014	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 8270Cm	-88	-88	51	139	
2014/15-2	MO-FIL	srgt environ	12/11/2014	Organic	2-Fluorobiphenyl	n/a	=	21.3	µg/L	EPA 625	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/11/2014	Organic	2-Fluorobiphenyl	n/a	=	85	%	EPA 625	-88	-88	22	107	
2014/15-2	MO-FIL	srgt environ	12/13/2014	Organic	2-Fluorobiphenyl	n/a	=	3.96	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/13/2014	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 8270Cm	-88	-88	51	139	
2014/15-2	000NONPJ	srgt matrix spike	12/11/2014	Organic	2-Fluorophenol	n/a	=	21	µg/L	EPA 625	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike, rec	12/11/2014	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2014/15-2	000NONPJ	srgt matrix spike dup	12/11/2014	Organic	2-Fluorophenol	n/a	=	20.7	µg/L	EPA 625	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/11/2014	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2014/15-2	Lab	srgt method blank	12/11/2014	Organic	2-Fluorophenol	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/11/2014	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2014/15-2	Lab	srgt LCS	12/11/2014	Organic	2-Fluorophenol	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/11/2014	Organic	2-Fluorophenol	n/a	=	37	%	EPA 625	-88	-88	3	74	
2014/15-2	Lab	srgt method blank	12/19/2014	Organic	2-Fluorophenol	n/a	=	5.33	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	53	%	EPA 8270Cm	-88	-88	11	62	
2014/15-2	Lab	srgt LCS	12/19/2014	Organic	2-Fluorophenol	n/a	=	4.35	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	44	%	EPA 8270Cm	-88	-88	11	62	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	srgt LCS dup	12/20/2014	Organic	2-Fluorophenol	n/a	=	4.5	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	45	%	EPA 8270Cm	-88	-88	11	62	
2014/15-2	MO-FIL	srgt environ	12/11/2014	Organic	2-Fluorophenol	n/a	=	20.3	µg/L	EPA 625	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/11/2014	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2014/15-2	MO-FIL	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	4.96	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	50	%	EPA 8270Cm	-88	-88	11	62	
2014/15-2	Lab	method blank	12/12/2014	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	method blank	12/19/2014	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1			
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	2-Nitrophenol	n/a	=	21.7	µg/L	EPA 625	0.26	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	2-Nitrophenol	n/a	=	87	%	EPA 625	-88	-88	29	182	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	2-Nitrophenol	n/a	=	22.4	µg/L	EPA 625	0.26	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	2-Nitrophenol	n/a	=	89	%	EPA 625	-88	-88	29	182	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	2-Nitrophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	2-Nitrophenol	n/a	=	15.6	µg/L	EPA 625	0.26	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	2-Nitrophenol	n/a	=	62	%	EPA 625	-88	-88	29	182	
2014/15-2	Lab	method blank	12/19/2014	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1			
2014/15-2	Lab	LCS	12/19/2014	Organic	2-Nitrophenol	n/a	=	7.97	µg/L	EPA 8270Cm	0.71	1			
2014/15-2	Lab	LCS, rec	12/19/2014	Organic	2-Nitrophenol	n/a	=	80	%	EPA 8270Cm	-88	-88	33	103	
2014/15-2	Lab	LCS dup	12/20/2014	Organic	2-Nitrophenol	n/a	=	7.94	µg/L	EPA 8270Cm	0.71	1			
2014/15-2	Lab	LCS dup, rec	12/20/2014	Organic	2-Nitrophenol	n/a	=	79	%	EPA 8270Cm	-88	-88	33	103	
2014/15-2	Lab	LCS, RPD	12/20/2014	Organic	2-Nitrophenol	n/a	=	0.4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			GB
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	0	%	EPA 625	-88	-88	0.1	262	GB
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	0	%	EPA 625	-88	-88	0.1	262	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	0	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2014/15-2	Lab	LCS	12/11/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	18.1	µg/L	EPA 625	1.2	5			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	72	%	EPA 625	-88	-88	0.1	262	
2014/15-2	Lab	method blank	12/19/2014	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	22.1	µg/L	EPA 625	1.7	5			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	88	%	EPA 625	-88	-88	0.1	181	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.1	µg/L	EPA 625	1.7	5			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	92	%	EPA 625	-88	-88	0.1	181	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2014/15-2	Lab	LCS	12/11/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	18.4	µg/L	EPA 625	1.7	5			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	74	%	EPA 625	-88	-88	0.1	181	
2014/15-2	Lab	method blank	12/19/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1			
2014/15-2	Lab	LCS	12/19/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	6.44	µg/L	EPA 8270Cm	0.14	1			
2014/15-2	Lab	LCS, rec	12/19/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	64	%	EPA 8270Cm	-88	-88	33	118	
2014/15-2	Lab	LCS dup	12/20/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5.58	µg/L	EPA 8270Cm	0.14	1			
2014/15-2	Lab	LCS dup, rec	12/20/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	56	%	EPA 8270Cm	-88	-88	33	118	
2014/15-2	Lab	LCS, RPD	12/20/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	14	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	Lab	srgt LCS	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	srgt LCS dup	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	52	µg/L	EPA 624	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2014/15-2	Lab	srgt method blank	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	47.3	µg/L	EPA 624	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 624	-88	-88	88	108	
2014/15-2	Lab	srgt method blank	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	56	µg/L	EPA 8015B	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	112	%	EPA 8015B	-88	-88	72	124	
2014/15-2	Lab	srgt LCS	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 8015B	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 8015B	-88	-88	72	124	
2014/15-2	Lab	srgt LCS dup	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015B	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015B	-88	-88	72	124	
2014/15-2	Lab	srgt method blank	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	52	µg/L	EPA 8015B	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 8015B	-88	-88	72	124	
2014/15-2	Lab	srgt LCS	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 8015B	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015B	-88	-88	72	124	
2014/15-2	Lab	srgt LCS dup	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015B	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015B	-88	-88	72	124	
2014/15-2	ME-VR2	srgt environ	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	45.9	µg/L	EPA 624	-88	-88			
2014/15-2	ME-VR2	srgt environ, rec	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2014/15-2	ME-VR2	srgt environ	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	41	µg/L	EPA 8015B	-88	-88			
2014/15-2	ME-VR2	srgt environ, rec	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	82	%	EPA 8015B	-88	-88	72	124	
2014/15-2	MO-FIL	srgt environ	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	46.6	µg/L	EPA 624	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2014/15-2	MO-FIL	srgt environ	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015B	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015B	-88	-88	72	124	
2014/15-2	MO-MEI	srgt environ	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	46.6	µg/L	EPA 624	-88	-88			
2014/15-2	MO-MEI	srgt environ, rec	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2014/15-2	MO-MEI	srgt environ	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015B	-88	-88			
2014/15-2	MO-MEI	srgt environ, rec	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015B	-88	-88	72	124	
2014/15-2	MO-OJA	srgt environ	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	46.4	µg/L	EPA 624	-88	-88			
2014/15-2	MO-OJA	srgt environ, rec	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2014/15-2	MO-OJA	srgt environ	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	43	µg/L	EPA 8015B	-88	-88			
2014/15-2	MO-OJA	srgt environ, rec	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 8015B	-88	-88	72	124	
2014/15-2	MO-OXN	srgt environ	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	46.2	µg/L	EPA 624	-88	-88			
2014/15-2	MO-OXN	srgt environ, rec	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2014/15-2	MO-OXN	srgt field duplicate	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 624	-88	-88			
2014/15-2	MO-OXN	srgt field duplicate, rec	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2014/15-2	MO-OXN	srgt environ	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	53	µg/L	EPA 8015B	-88	-88			
2014/15-2	MO-OXN	srgt environ, rec	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	106	%	EPA 8015B	-88	-88	72	124	
2014/15-2	MO-OXN	srgt field duplicate	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 8015B	-88	-88			
2014/15-2	MO-OXN	srgt field duplicate, rec	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 8015B	-88	-88	72	124	
2014/15-2	MO-SPA	srgt environ	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	46.5	µg/L	EPA 624	-88	-88			
2014/15-2	MO-SPA	srgt environ, rec	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2014/15-2	MO-SPA	srgt environ	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 8015B	-88	-88			
2014/15-2	MO-SPA	srgt environ, rec	12/9/2014	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015B	-88	-88	72	124	
2014/15-2	MO-VEN	srgt environ	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	46.9	µg/L	EPA 624	-88	-88			
2014/15-2	MO-VEN	srgt environ, rec	12/7/2014	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 624	-88	-88	88	108	
2014/15-2	MO-VEN	srgt environ	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 8015B	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	MO-VEN	srgt environ, rec	12/8/2014	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015B	-88	-88	72	124	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	18	µg/L	EPA 625	0.36	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	72	%	EPA 625	-88	-88	53	127	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	18.8	µg/L	EPA 625	0.36	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	75	%	EPA 625	-88	-88	53	127	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	15.4	µg/L	EPA 625	0.36	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	61	%	EPA 625	-88	-88	53	127	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	4-Chloro-3-methylphenol	n/a	=	23.1	µg/L	EPA 625	0.23	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	4-Chloro-3-methylphenol	n/a	=	92	%	EPA 625	-88	-88	22	147	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	4-Chloro-3-methylphenol	n/a	=	24	µg/L	EPA 625	0.23	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	4-Chloro-3-methylphenol	n/a	=	96	%	EPA 625	-88	-88	22	147	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	4-Chloro-3-methylphenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	4-Chloro-3-methylphenol	n/a	=	16.7	µg/L	EPA 625	0.23	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	4-Chloro-3-methylphenol	n/a	=	67	%	EPA 625	-88	-88	22	147	
2014/15-2	Lab	method blank	12/19/2014	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1			
2014/15-2	Lab	LCS	12/19/2014	Organic	4-Chloro-3-methylphenol	n/a	=	7.89	µg/L	EPA 8270Cm	0.37	1			
2014/15-2	Lab	LCS, rec	12/19/2014	Organic	4-Chloro-3-methylphenol	n/a	=	79	%	EPA 8270Cm	-88	-88	29	108	
2014/15-2	Lab	LCS dup	12/20/2014	Organic	4-Chloro-3-methylphenol	n/a	=	7.71	µg/L	EPA 8270Cm	0.37	1			
2014/15-2	Lab	LCS dup, rec	12/20/2014	Organic	4-Chloro-3-methylphenol	n/a	=	77	%	EPA 8270Cm	-88	-88	29	108	
2014/15-2	Lab	LCS, RPD	12/20/2014	Organic	4-Chloro-3-methylphenol	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	23	µg/L	EPA 625	0.41	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	92	%	EPA 625	-88	-88	25	158	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	23.8	µg/L	EPA 625	0.41	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	95	%	EPA 625	-88	-88	25	158	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	17.9	µg/L	EPA 625	0.41	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	72	%	EPA 625	-88	-88	25	158	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			GB
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	4-Nitrophenol	n/a	=	0	%	EPA 625	-88	-88	0.1	132	GB
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	4-Nitrophenol	n/a	=	0	%	EPA 625	-88	-88	0.1	132	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	4-Nitrophenol	n/a	=	0	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-2	Lab	LCS	12/11/2014	Organic	4-Nitrophenol	n/a	=	8.21	µg/L	EPA 625	0.45	5			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	4-Nitrophenol	n/a	=	33	%	EPA 625	-88	-88	0.1	132	
2014/15-2	Lab	method blank	12/19/2014	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-2	Lab	LCS	12/19/2014	Organic	4-Nitrophenol	n/a	=	3.77	µg/L	EPA 8270Cm	1	2			
2014/15-2	Lab	LCS, rec	12/19/2014	Organic	4-Nitrophenol	n/a	=	38	%	EPA 8270Cm	-88	-88	6	46	
2014/15-2	Lab	LCS dup	12/20/2014	Organic	4-Nitrophenol	n/a	=	3.56	µg/L	EPA 8270Cm	1	2			
2014/15-2	Lab	LCS dup, rec	12/20/2014	Organic	4-Nitrophenol	n/a	=	36	%	EPA 8270Cm	-88	-88	6	46	
2014/15-2	Lab	LCS, RPD	12/20/2014	Organic	4-Nitrophenol	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Acenaphthene	n/a	=	20.3	µg/L	EPA 625	0.38	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Acenaphthene	n/a	=	81	%	EPA 625	-88	-88	47	145	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Acenaphthene	n/a	=	20.4	µg/L	EPA 625	0.38	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Acenaphthene	n/a	=	82	%	EPA 625	-88	-88	47	145	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Acenaphthene	n/a	=	0.3	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Acenaphthene	n/a	=	17.6	µg/L	EPA 625	0.38	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Acenaphthene	n/a	=	70	%	EPA 625	-88	-88	47	145	
2014/15-2	Lab	method blank	12/12/2014	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Acenaphthene	n/a	=	7.34	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Acenaphthene	n/a	=	73	%	EPA 8270Cm	-88	-88	11	122	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Acenaphthene	n/a	=	7.2	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Acenaphthene	n/a	=	72	%	EPA 8270Cm	-88	-88	11	122	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Acenaphthene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Acenaphthylene	n/a	=	23.7	µg/L	EPA 625	0.4	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Acenaphthylene	n/a	=	95	%	EPA 625	-88	-88	33	145	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Acenaphthylene	n/a	=	25.4	µg/L	EPA 625	0.4	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Acenaphthylene	n/a	=	102	%	EPA 625	-88	-88	33	145	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Acenaphthylene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Acenaphthylene	n/a	=	17.8	µg/L	EPA 625	0.4	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Acenaphthylene	n/a	=	71	%	EPA 625	-88	-88	33	145	
2014/15-2	Lab	method blank	12/12/2014	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Acenaphthylene	n/a	=	7.34	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Acenaphthylene	n/a	=	73	%	EPA 8270Cm	-88	-88	4	135	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Acenaphthylene	n/a	=	7.66	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Acenaphthylene	n/a	=	77	%	EPA 8270Cm	-88	-88	4	135	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Acenaphthylene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Anthracene	n/a	=	17.8	µg/L	EPA 625	0.34	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Anthracene	n/a	=	71	%	EPA 625	-88	-88	27	133	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Anthracene	n/a	=	18.8	µg/L	EPA 625	0.34	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Anthracene	n/a	=	75	%	EPA 625	-88	-88	27	133	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Anthracene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Anthracene	n/a	=	17.3	µg/L	EPA 625	0.34	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Anthracene	n/a	=	69	%	EPA 625	-88	-88	27	133	
2014/15-2	Lab	method blank	12/12/2014	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Anthracene	n/a	=	7.41	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Anthracene	n/a	=	74	%	EPA 8270Cm	-88	-88	22	127	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Anthracene	n/a	=	7.49	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Anthracene	n/a	=	75	%	EPA 8270Cm	-88	-88	22	127	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Anthracene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Benz(a)anthracene	n/a	=	18.8	µg/L	EPA 625	0.19	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Benz(a)anthracene	n/a	=	75	%	EPA 625	-88	-88	33	143	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Benz(a)anthracene	n/a	=	18	µg/L	EPA 625	0.19	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Benz(a)anthracene	n/a	=	72	%	EPA 625	-88	-88	33	143	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Benz(a)anthracene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Benz(a)anthracene	n/a	=	17.4	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Benz(a)anthracene	n/a	=	70	%	EPA 625	-88	-88	33	143	
2014/15-2	Lab	method blank	12/12/2014	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Benz(a)anthracene	n/a	=	8.22	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Benz(a)anthracene	n/a	=	82	%	EPA 8270Cm	-88	-88	17	131	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Benz(a)anthracene	n/a	=	9.21	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Benz(a)anthracene	n/a	=	92	%	EPA 8270Cm	-88	-88	17	131	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Benz(a)anthracene	n/a	=	11	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Benididine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Benzo(a)pyrene	n/a	=	9.75	µg/L	EPA 625	0.13	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Benzo(a)pyrene	n/a	=	39	%	EPA 625	-88	-88	17	163	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Benzo(a)pyrene	n/a	=	8.68	µg/L	EPA 625	0.13	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Benzo(a)pyrene	n/a	=	35	%	EPA 625	-88	-88	17	163	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Benzo(a)pyrene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Benzo(a)pyrene	n/a	=	17.8	µg/L	EPA 625	0.13	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Benzo(a)pyrene	n/a	=	71	%	EPA 625	-88	-88	17	163	
2014/15-2	Lab	method blank	12/12/2014	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Benzo(a)pyrene	n/a	=	6.99	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Benzo(a)pyrene	n/a	=	70	%	EPA 8270Cm	-88	-88	12	131	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Benzo(a)pyrene	n/a	=	7.29	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Benzo(a)pyrene	n/a	=	73	%	EPA 8270Cm	-88	-88	12	131	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Benzo(a)pyrene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-2	Lab	LCS	12/15/2014	Organic	Benzo(a)pyrene	n/a	=	5.26	µg/L	EPA 525.2	0.07	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Organic	Benzo(a)pyrene	n/a	=	105	%	EPA 525.2	-88	-88	40	147	
2014/15-2	Lab	LCS dup	12/15/2014	Organic	Benzo(a)pyrene	n/a	=	5.17	µg/L	EPA 525.2	0.07	0.1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Organic	Benzo(a)pyrene	n/a	=	103	%	EPA 525.2	-88	-88	40	147	
2014/15-2	Lab	LCS, RPD	12/15/2014	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-2	Lab	LCS	12/23/2014	Organic	Benzo(a)pyrene	n/a	=	3.49	µg/L	EPA 525.2	0.07	0.1			
2014/15-2	Lab	LCS, rec	12/23/2014	Organic	Benzo(a)pyrene	n/a	=	70	%	EPA 525.2	-88	-88	40	147	
2014/15-2	Lab	LCS dup	12/24/2014	Organic	Benzo(a)pyrene	n/a	=	3.57	µg/L	EPA 525.2	0.07	0.1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Organic	Benzo(a)pyrene	n/a	=	71	%	EPA 525.2	-88	-88	40	147	
2014/15-2	Lab	LCS, RPD	12/24/2014	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Benzo(b)fluoranthene	n/a	=	12.5	µg/L	EPA 625	0.14	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Benzo(b)fluoranthene	n/a	=	50	%	EPA 625	-88	-88	24	159	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Benzo(b)fluoranthene	n/a	=	12.4	µg/L	EPA 625	0.14	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Benzo(b)fluoranthene	n/a	=	50	%	EPA 625	-88	-88	24	159	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Benzo(b)fluoranthene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Benzo(b)fluoranthene	n/a	=	18.2	µg/L	EPA 625	0.14	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Benzo(b)fluoranthene	n/a	=	73	%	EPA 625	-88	-88	24	159	
2014/15-2	Lab	method blank	12/12/2014	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Benzo(b)fluoranthene	n/a	=	7.5	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Benzo(b)fluoranthene	n/a	=	75	%	EPA 8270Cm	-88	-88	19	129	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Benzo(b)fluoranthene	n/a	=	7.61	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Benzo(b)fluoranthene	n/a	=	76	%	EPA 8270Cm	-88	-88	19	129	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Benzo(b)fluoranthene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Organic	Benzo(e)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Benzo(g,h,i)perylene	n/a	=	8.91	µg/L	EPA 625	0.1	2			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Benzo(g,h,i)perylene	n/a	=	36	%	EPA 625	-88	-88	0.1	219	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Benzo(g,h,i)perylene	n/a	=	9.54	µg/L	EPA 625	0.1	2			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Benzo(g,h,i)perylene	n/a	=	38	%	EPA 625	-88	-88	0.1	219	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Benzo(g,h,i)perylene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-2	Lab	LCS	12/11/2014	Organic	Benzo(g,h,i)perylene	n/a	=	16.4	µg/L	EPA 625	0.1	2			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Benzo(g,h,i)perylene	n/a	=	66	%	EPA 625	-88	-88	0.1	219	
2014/15-2	Lab	method blank	12/12/2014	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Benzo(g,h,i)perylene	n/a	=	6.75	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Benzo(g,h,i)perylene	n/a	=	68	%	EPA 8270Cm	-88	-88	14	139	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Benzo(g,h,i)perylene	n/a	=	6.95	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Benzo(g,h,i)perylene	n/a	=	70	%	EPA 8270Cm	-88	-88	14	139	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Benzo(g,h,i)perylene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Benzo(k)fluoranthene	n/a	=	12.6	µg/L	EPA 625	0.22	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Benzo(k)fluoranthene	n/a	=	50	%	EPA 625	-88	-88	11	162	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Benzo(k)fluoranthene	n/a	=	11.1	µg/L	EPA 625	0.22	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Benzo(k)fluoranthene	n/a	=	44	%	EPA 625	-88	-88	11	162	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Benzo(k)fluoranthene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Benzo(k)fluoranthene	n/a	=	17.8	µg/L	EPA 625	0.22	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Benzo(k)fluoranthene	n/a	=	71	%	EPA 625	-88	-88	11	162	
2014/15-2	Lab	method blank	12/12/2014	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Benzo(k)fluoranthene	n/a	=	7.12	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Benzo(k)fluoranthene	n/a	=	71	%	EPA 8270Cm	-88	-88	22	127	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Benzo(k)fluoranthene	n/a	=	7.5	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Benzo(k)fluoranthene	n/a	=	75	%	EPA 8270Cm	-88	-88	22	127	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Benzo(k)fluoranthene	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	Lab	method blank	12/12/2014	Organic	Biphenyl	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	23.5	µg/L	EPA 625	0.25	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	94	%	EPA 625	-88	-88	33	184	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	24	µg/L	EPA 625	0.25	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	96	%	EPA 625	-88	-88	33	184	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	15.9	µg/L	EPA 625	0.25	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	64	%	EPA 625	-88	-88	33	184	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	19.1	µg/L	EPA 625	0.27	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	77	%	EPA 625	-88	-88	12	158	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	18.9	µg/L	EPA 625	0.27	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	76	%	EPA 625	-88	-88	12	158	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	14.4	µg/L	EPA 625	0.27	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	58	%	EPA 625	-88	-88	12	158	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.8	µg/L	EPA 625	0.38	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	83	%	EPA 625	-88	-88	36	166	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	21.4	µg/L	EPA 625	0.38	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	86	%	EPA 625	-88	-88	36	166	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	15.5	µg/L	EPA 625	0.38	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	62	%	EPA 625	-88	-88	36	166	
2014/15-2	Lab	method blank	12/15/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-2	Lab	LCS	12/15/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6.68	µg/L	EPA 525.2	0.1	5			
2014/15-2	Lab	LCS, rec	12/15/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	134	%	EPA 525.2	-88	-88	71	158	
2014/15-2	Lab	LCS dup	12/15/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	7.37	µg/L	EPA 525.2	0.1	5			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	147	%	EPA 525.2	-88	-88	71	158	
2014/15-2	Lab	LCS, RPD	12/15/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-2	Lab	LCS	12/23/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.85	µg/L	EPA 525.2	0.1	5			
2014/15-2	Lab	LCS, rec	12/23/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	97	%	EPA 525.2	-88	-88	71	158	
2014/15-2	Lab	LCS dup	12/24/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.78	µg/L	EPA 525.2	0.1	5			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	96	%	EPA 525.2	-88	-88	71	158	
2014/15-2	Lab	LCS, RPD	12/24/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	21.6	µg/L	EPA 625	2.3	5			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	86	%	EPA 625	-88	-88	8	158	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	21.7	µg/L	EPA 625	2.3	5			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	87	%	EPA 625	-88	-88	8	158	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2014/15-2	Lab	LCS	12/11/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	19.3	µg/L	EPA 625	2.3	5			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	77	%	EPA 625	-88	-88	8	158	
2014/15-2	Lab	method blank	12/15/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-2	Lab	LCS	12/15/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	13.8	µg/L	EPA 525.2	1.1	3			EUM
2014/15-2	Lab	LCS, rec	12/15/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	276	%	EPA 525.2	-88	-88	68	154	EUM
2014/15-2	Lab	LCS dup	12/15/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	8.37	µg/L	EPA 525.2	1.1	3			EUM
2014/15-2	Lab	LCS dup, rec	12/15/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	167	%	EPA 525.2	-88	-88	68	154	EUM
2014/15-2	Lab	LCS, RPD	12/15/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	49	%	EPA 525.2	-88	-88	0	30	IL
2014/15-2	Lab	method blank	12/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-2	Lab	LCS	12/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.06	µg/L	EPA 525.2	1.1	3			
2014/15-2	Lab	LCS, rec	12/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	101	%	EPA 525.2	-88	-88	68	154	
2014/15-2	Lab	LCS dup	12/24/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.95	µg/L	EPA 525.2	1.1	3			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	99	%	EPA 525.2	-88	-88	68	154	
2014/15-2	Lab	LCS, RPD	12/24/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Butyl benzyl phthalate	n/a	=	19.3	µg/L	EPA 625	0.18	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Butyl benzyl phthalate	n/a	=	77	%	EPA 625	-88	-88	0.1	152	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Butyl benzyl phthalate	n/a	=	18.3	µg/L	EPA 625	0.18	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Butyl benzyl phthalate	n/a	=	73	%	EPA 625	-88	-88	0.1	152	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Butyl benzyl phthalate	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Butyl benzyl phthalate	n/a	=	18	µg/L	EPA 625	0.18	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Butyl benzyl phthalate	n/a	=	72	%	EPA 625	-88	-88	0.1	152	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Chrysene	n/a	=	19.9	µg/L	EPA 625	0.19	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Chrysene	n/a	=	80	%	EPA 625	-88	-88	17	168	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Chrysene	n/a	=	20	µg/L	EPA 625	0.19	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Chrysene	n/a	=	80	%	EPA 625	-88	-88	17	168	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Chrysene	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Chrysene	n/a	=	17.9	µg/L	EPA 625	0.19	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Chrysene	n/a	=	71	%	EPA 625	-88	-88	17	168	
2014/15-2	Lab	method blank	12/12/2014	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Chrysene	n/a	=	7.96	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Chrysene	n/a	=	80	%	EPA 8270Cm	-88	-88	32	126	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Chrysene	n/a	=	7.95	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Chrysene	n/a	=	79	%	EPA 8270Cm	-88	-88	32	126	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Chrysene	n/a	=	0.1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Dibenz(a,h)anthracene	n/a	=	9.99	µg/L	EPA 625	0.08	2			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Dibenz(a,h)anthracene	n/a	=	40	%	EPA 625	-88	-88	0.1	227	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Dibenz(a,h)anthracene	n/a	=	10.5	µg/L	EPA 625	0.08	2			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Dibenz(a,h)anthracene	n/a	=	42	%	EPA 625	-88	-88	0.1	227	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Dibenz(a,h)anthracene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-2	Lab	LCS	12/11/2014	Organic	Dibenz(a,h)anthracene	n/a	=	16.2	µg/L	EPA 625	0.08	2			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Dibenz(a,h)anthracene	n/a	=	65	%	EPA 625	-88	-88	0.1	227	
2014/15-2	Lab	method blank	12/12/2014	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Dibenz(a,h)anthracene	n/a	=	6.66	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Dibenz(a,h)anthracene	n/a	=	67	%	EPA 8270Cm	-88	-88	9	147	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Dibenz(a,h)anthracene	n/a	=	6.94	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Dibenz(a,h)anthracene	n/a	=	69	%	EPA 8270Cm	-88	-88	9	147	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Dibenz(a,h)anthracene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Diethyl phthalate	n/a	=	21.8	µg/L	EPA 625	0.15	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Diethyl phthalate	n/a	=	87	%	EPA 625	-88	-88	0.1	114	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Diethyl phthalate	n/a	=	22.4	µg/L	EPA 625	0.15	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Diethyl phthalate	n/a	=	89	%	EPA 625	-88	-88	0.1	114	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Diethyl phthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Diethyl phthalate	n/a	=	19.1	µg/L	EPA 625	0.15	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Diethyl phthalate	n/a	=	76	%	EPA 625	-88	-88	0.1	114	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Dimethyl phthalate	n/a	=	23.5	µg/L	EPA 625	0.18	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Dimethyl phthalate	n/a	=	94	%	EPA 625	-88	-88	0.1	112	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Dimethyl phthalate	n/a	=	25	µg/L	EPA 625	0.18	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Dimethyl phthalate	n/a	=	100	%	EPA 625	-88	-88	0.1	112	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Dimethyl phthalate	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Dimethyl phthalate	n/a	=	18.2	µg/L	EPA 625	0.18	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Dimethyl phthalate	n/a	=	73	%	EPA 625	-88	-88	0.1	112	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Di-n-butylphthalate	n/a	=	19.6	µg/L	EPA 625	0.24	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Di-n-butylphthalate	n/a	=	78	%	EPA 625	-88	-88	1	118	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Di-n-butylphthalate	n/a	=	19.3	µg/L	EPA 625	0.24	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Di-n-butylphthalate	n/a	=	77	%	EPA 625	-88	-88	1	118	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Di-n-butylphthalate	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Di-n-butylphthalate	n/a	=	18.2	µg/L	EPA 625	0.24	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Di-n-butylphthalate	n/a	=	73	%	EPA 625	-88	-88	1	118	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Di-n-octylphthalate	n/a	=	18.7	µg/L	EPA 625	0.19	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Di-n-octylphthalate	n/a	=	75	%	EPA 625	-88	-88	4	146	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Di-n-octylphthalate	n/a	=	19.5	µg/L	EPA 625	0.19	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Di-n-octylphthalate	n/a	=	78	%	EPA 625	-88	-88	4	146	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Di-n-octylphthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Di-n-octylphthalate	n/a	=	19	µg/L	EPA 625	0.19	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Di-n-octylphthalate	n/a	=	76	%	EPA 625	-88	-88	4	146	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Fluoranthene	n/a	=	19.1	µg/L	EPA 625	0.22	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Fluoranthene	n/a	=	76	%	EPA 625	-88	-88	26	137	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Fluoranthene	n/a	=	18.9	µg/L	EPA 625	0.22	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Fluoranthene	n/a	=	76	%	EPA 625	-88	-88	26	137	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Fluoranthene	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Fluoranthene	n/a	=	17.8	µg/L	EPA 625	0.22	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Fluoranthene	n/a	=	71	%	EPA 625	-88	-88	26	137	
2014/15-2	Lab	method blank	12/12/2014	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Fluoranthene	n/a	=	8.5	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Fluoranthene	n/a	=	85	%	EPA 8270Cm	-88	-88	22	131	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Fluoranthene	n/a	=	9.13	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Fluoranthene	n/a	=	91	%	EPA 8270Cm	-88	-88	22	131	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Fluoranthene	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Fluorene	n/a	=	22	µg/L	EPA 625	0.35	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Fluorene	n/a	=	88	%	EPA 625	-88	-88	59	121	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Fluorene	n/a	=	22.4	µg/L	EPA 625	0.35	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Fluorene	n/a	=	90	%	EPA 625	-88	-88	59	121	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Fluorene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Fluorene	n/a	=	18.2	µg/L	EPA 625	0.35	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Fluorene	n/a	=	73	%	EPA 625	-88	-88	59	121	
2014/15-2	Lab	method blank	12/12/2014	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Fluorene	n/a	=	7.39	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Fluorene	n/a	=	74	%	EPA 8270Cm	-88	-88	19	122	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Fluorene	n/a	=	7.45	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Fluorene	n/a	=	74	%	EPA 8270Cm	-88	-88	19	122	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Fluorene	n/a	=	0.8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Hexachlorobenzene	n/a	=	21	µg/L	EPA 625	0.49	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Hexachlorobenzene	n/a	=	84	%	EPA 625	-88	-88	0.1	152	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Hexachlorobenzene	n/a	=	21.7	µg/L	EPA 625	0.49	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Hexachlorobenzene	n/a	=	87	%	EPA 625	-88	-88	0.1	152	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Hexachlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	method blank	12/11/2014	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Hexachlorobenzene	n/a	=	18.1	µg/L	EPA 625	0.49	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Hexachlorobenzene	n/a	=	72	%	EPA 625	-88	-88	0.1	152	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Hexachlorobutadiene	n/a	=	17.1	µg/L	EPA 625	0.47	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Hexachlorobutadiene	n/a	=	68	%	EPA 625	-88	-88	24	116	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Hexachlorobutadiene	n/a	=	17.2	µg/L	EPA 625	0.47	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Hexachlorobutadiene	n/a	=	69	%	EPA 625	-88	-88	24	116	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Hexachlorobutadiene	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Hexachlorobutadiene	n/a	=	15.1	µg/L	EPA 625	0.47	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Hexachlorobutadiene	n/a	=	60	%	EPA 625	-88	-88	24	116	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Hexachlorocyclopentadiene	n/a	=	21.1	µg/L	EPA 625	1.5	5			GB
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Hexachlorocyclopentadiene	n/a	=	84	%	EPA 625	-88	-88	10	80	GB
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Hexachlorocyclopentadiene	n/a	=	22.6	µg/L	EPA 625	1.5	5			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Hexachlorocyclopentadiene	n/a	=	90	%	EPA 625	-88	-88	10	80	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Hexachlorocyclopentadiene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-2	Lab	LCS	12/11/2014	Organic	Hexachlorocyclopentadiene	n/a	=	12.4	µg/L	EPA 625	1.5	5			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Hexachlorocyclopentadiene	n/a	=	50	%	EPA 625	-88	-88	0.1	81	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Hexachloroethane	n/a	=	18	µg/L	EPA 625	0.52	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Hexachloroethane	n/a	=	72	%	EPA 625	-88	-88	40	113	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Hexachloroethane	n/a	=	18.6	µg/L	EPA 625	0.52	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Hexachloroethane	n/a	=	75	%	EPA 625	-88	-88	40	113	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Hexachloroethane	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Hexachloroethane	n/a	=	14.8	µg/L	EPA 625	0.52	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Hexachloroethane	n/a	=	59	%	EPA 625	-88	-88	40	113	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	10.3	µg/L	EPA 625	0.12	2			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	41	%	EPA 625	-88	-88	0.1	171	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	10.6	µg/L	EPA 625	0.12	2			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	42	%	EPA 625	-88	-88	0.1	171	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-2	Lab	LCS	12/11/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	16.5	µg/L	EPA 625	0.12	2			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	66	%	EPA 625	-88	-88	0.1	171	
2014/15-2	Lab	method blank	12/12/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	7.43	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	74	%	EPA 8270Cm	-88	-88	12	136	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	6.58	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	66	%	EPA 8270Cm	-88	-88	12	136	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	12	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Isophorone	n/a	=	22.6	µg/L	EPA 625	0.21	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Isophorone	n/a	=	91	%	EPA 625	-88	-88	21	196	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Isophorone	n/a	=	23.4	µg/L	EPA 625	0.21	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Isophorone	n/a	=	93	%	EPA 625	-88	-88	21	196	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Isophorone	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS	12/11/2014	Organic	Isophorone	n/a	=	15.1	µg/L	EPA 625	0.21	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Isophorone	n/a	=	60	%	EPA 625	-88	-88	21	196	
2014/15-2	Lab	LCS	12/7/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	52.9	µg/L	EPA 624	0.25	1			
2014/15-2	Lab	LCS, rec	12/7/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	106	%	EPA 624	-88	-88	80	128	
2014/15-2	Lab	LCS dup	12/7/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	52.5	µg/L	EPA 624	0.25	1			
2014/15-2	Lab	LCS dup, rec	12/7/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	105	%	EPA 624	-88	-88	80	128	
2014/15-2	Lab	LCS, RPD	12/7/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	0.8	%	EPA 624	-88	-88	0	25	
2014/15-2	Lab	method blank	12/7/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2014/15-2	MO-OXN	field duplicate	12/8/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Naphthalene	n/a	=	19.3	µg/L	EPA 625	0.49	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Naphthalene	n/a	=	77	%	EPA 625	-88	-88	21	133	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Naphthalene	n/a	=	19.8	µg/L	EPA 625	0.49	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Naphthalene	n/a	=	79	%	EPA 625	-88	-88	21	133	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Naphthalene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Naphthalene	n/a	=	16	µg/L	EPA 625	0.49	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Naphthalene	n/a	=	64	%	EPA 625	-88	-88	21	133	
2014/15-2	Lab	method blank	12/12/2014	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Naphthalene	n/a	=	7.01	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Naphthalene	n/a	=	70	%	EPA 8270Cm	-88	-88	12	136	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Naphthalene	n/a	=	7.08	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Naphthalene	n/a	=	71	%	EPA 8270Cm	-88	-88	12	136	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Naphthalene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Nitrobenzene	n/a	=	22.1	µg/L	EPA 625	0.36	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Nitrobenzene	n/a	=	88	%	EPA 625	-88	-88	35	180	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Nitrobenzene	n/a	=	23.3	µg/L	EPA 625	0.36	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Nitrobenzene	n/a	=	93	%	EPA 625	-88	-88	35	180	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Nitrobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Nitrobenzene	n/a	=	15.3	µg/L	EPA 625	0.36	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Nitrobenzene	n/a	=	61	%	EPA 625	-88	-88	35	180	
2014/15-2	000NONPJ	srgt matrix spike	12/11/2014	Organic	Nitrobenzene-d5	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike, rec	12/11/2014	Organic	Nitrobenzene-d5	n/a	=	87	%	EPA 625	-88	-88	27	111	
2014/15-2	000NONPJ	srgt matrix spike dup	12/11/2014	Organic	Nitrobenzene-d5	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/11/2014	Organic	Nitrobenzene-d5	n/a	=	87	%	EPA 625	-88	-88	27	111	
2014/15-2	Lab	srgt method blank	12/11/2014	Organic	Nitrobenzene-d5	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/11/2014	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2014/15-2	Lab	srgt LCS	12/11/2014	Organic	Nitrobenzene-d5	n/a	=	15.3	µg/L	EPA 625	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/11/2014	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 625	-88	-88	27	111	
2014/15-2	Lab	srgt method blank	12/12/2014	Organic	Nitrobenzene-d5	n/a	=	3.77	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/12/2014	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 8270Cm	-88	-88	51	143	
2014/15-2	Lab	srgt LCS	12/12/2014	Organic	Nitrobenzene-d5	n/a	=	3.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/12/2014	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 8270Cm	-88	-88	51	143	
2014/15-2	Lab	srgt LCS dup	12/12/2014	Organic	Nitrobenzene-d5	n/a	=	3.27	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/12/2014	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 8270Cm	-88	-88	51	143	
2014/15-2	MO-FIL	srgt environ	12/11/2014	Organic	Nitrobenzene-d5	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/11/2014	Organic	Nitrobenzene-d5	n/a	=	84	%	EPA 625	-88	-88	27	111	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	MO-FIL	srgt environ	12/13/2014	Organic	Nitrobenzene-d5	n/a	=	3.74	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/13/2014	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 8270Cm	-88	-88	51	143	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	N-Nitrosodimethylamine	n/a	=	11.6	µg/L	EPA 625	0.14	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	N-Nitrosodimethylamine	n/a	=	46	%	EPA 625	-88	-88	15	57	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	N-Nitrosodimethylamine	n/a	=	10.1	µg/L	EPA 625	0.14	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	N-Nitrosodimethylamine	n/a	=	40	%	EPA 625	-88	-88	15	57	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	N-Nitrosodimethylamine	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	N-Nitrosodimethylamine	n/a	=	9.94	µg/L	EPA 625	0.14	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	N-Nitrosodimethylamine	n/a	=	40	%	EPA 625	-88	-88	15	59	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	24.4	µg/L	EPA 625	0.26	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	98	%	EPA 625	-88	-88	0.1	230	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	27.2	µg/L	EPA 625	0.26	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	109	%	EPA 625	-88	-88	0.1	230	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	15.8	µg/L	EPA 625	0.26	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	63	%	EPA 625	-88	-88	0.1	230	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	N-Nitrosodiphenylamine	n/a	=	6.31	µg/L	EPA 625	0.19	1			GB
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	N-Nitrosodiphenylamine	n/a	=	25	%	EPA 625	-88	-88	49	82	GB
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	N-Nitrosodiphenylamine	n/a	=	5.01	µg/L	EPA 625	0.19	1			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	N-Nitrosodiphenylamine	n/a	=	20	%	EPA 625	-88	-88	49	82	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	N-Nitrosodiphenylamine	n/a	=	23	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	N-Nitrosodiphenylamine	n/a	=	15.3	µg/L	EPA 625	0.19	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	N-Nitrosodiphenylamine	n/a	=	61	%	EPA 625	-88	-88	42	90	
2014/15-2	Lab	method blank	12/12/2014	Organic	Perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	srgt method blank	12/15/2014	Organic	Perylene-d12	n/a	=	5.08	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/15/2014	Organic	Perylene-d12	n/a	=	102	%	EPA 525.2	-88	-88	30	118	
2014/15-2	Lab	srgt LCS	12/15/2014	Organic	Perylene-d12	n/a	=	5.3	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/15/2014	Organic	Perylene-d12	n/a	=	106	%	EPA 525.2	-88	-88	30	118	
2014/15-2	Lab	srgt LCS dup	12/15/2014	Organic	Perylene-d12	n/a	=	5.37	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/15/2014	Organic	Perylene-d12	n/a	=	107	%	EPA 525.2	-88	-88	30	118	
2014/15-2	Lab	srgt method blank	12/23/2014	Organic	Perylene-d12	n/a	=	5.51	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/23/2014	Organic	Perylene-d12	n/a	=	110	%	EPA 525.2	-88	-88	30	118	
2014/15-2	Lab	srgt LCS	12/23/2014	Organic	Perylene-d12	n/a	=	6.02	µg/L	EPA 525.2	-88	-88			GN
2014/15-2	Lab	srgt LCS, rec	12/23/2014	Organic	Perylene-d12	n/a	=	120	%	EPA 525.2	-88	-88	30	118	GN
2014/15-2	Lab	srgt LCS dup	12/24/2014	Organic	Perylene-d12	n/a	=	6.73	µg/L	EPA 525.2	-88	-88			GN
2014/15-2	Lab	srgt LCS dup, rec	12/24/2014	Organic	Perylene-d12	n/a	=	135	%	EPA 525.2	-88	-88	30	118	GN
2014/15-2	ME-VR2	srgt environ	12/15/2014	Organic	Perylene-d12	n/a	=	2.53	µg/L	EPA 525.2	-88	-88			
2014/15-2	ME-VR2	srgt environ, rec	12/15/2014	Organic	Perylene-d12	n/a	=	51	%	EPA 525.2	-88	-88	30	118	
2014/15-2	MO-FIL	srgt environ	12/15/2014	Organic	Perylene-d12	n/a	=	2.64	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/15/2014	Organic	Perylene-d12	n/a	=	53	%	EPA 525.2	-88	-88	30	118	
2014/15-2	MO-MEI	srgt environ	12/15/2014	Organic	Perylene-d12	n/a	=	1.84	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-MEI	srgt environ, rec	12/15/2014	Organic	Perylene-d12	n/a	=	35	%	EPA 525.2	-88	-88	30	118	
2014/15-2	MO-OJA	srgt environ	12/15/2014	Organic	Perylene-d12	n/a	=	1.94	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-OJA	srgt environ, rec	12/15/2014	Organic	Perylene-d12	n/a	=	37	%	EPA 525.2	-88	-88	30	118	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	MO-OXN	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	2.13	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-OXN	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	40	%	EPA 525.2	-88	-88	30	118	
2014/15-2	MO-SPA	srgt environ	12/15/2014	Organic	Perylene-d12	n/a	=	2.1	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-SPA	srgt environ, rec	12/15/2014	Organic	Perylene-d12	n/a	=	42	%	EPA 525.2	-88	-88	30	118	
2014/15-2	MO-VEN	srgt environ	12/15/2014	Organic	Perylene-d12	n/a	=	1.95	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-VEN	srgt environ, rec	12/15/2014	Organic	Perylene-d12	n/a	=	39	%	EPA 525.2	-88	-88	30	118	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Phenanthrene	n/a	=	20.6	µg/L	EPA 625	0.32	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Phenanthrene	n/a	=	82	%	EPA 625	-88	-88	54	120	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Phenanthrene	n/a	=	21.9	µg/L	EPA 625	0.32	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Phenanthrene	n/a	=	87	%	EPA 625	-88	-88	54	120	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Phenanthrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Phenanthrene	n/a	=	18.3	µg/L	EPA 625	0.32	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Phenanthrene	n/a	=	73	%	EPA 625	-88	-88	54	120	
2014/15-2	Lab	method blank	12/12/2014	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Phenanthrene	n/a	=	7.48	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Phenanthrene	n/a	=	75	%	EPA 8270Cm	-88	-88	21	131	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Phenanthrene	n/a	=	7.53	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Phenanthrene	n/a	=	75.5	%	EPA 8270Cm	-88	-88	21	131	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Phenanthrene	n/a	=	0.6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Phenol	n/a	=	9.85	µg/L	EPA 625	0.16	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Phenol	n/a	=	39	%	EPA 625	-88	-88	5	112	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Phenol	n/a	=	9.9	µg/L	EPA 625	0.16	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Phenol	n/a	=	40	%	EPA 625	-88	-88	5	112	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Phenol	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Phenol	n/a	=	6.18	µg/L	EPA 625	0.16	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Phenol	n/a	=	25	%	EPA 625	-88	-88	5	112	
2014/15-2	Lab	method blank	12/19/2014	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1			
2014/15-2	Lab	LCS	12/19/2014	Organic	Phenol	n/a	=	3.44	µg/L	EPA 8270Cm	0.35	1			
2014/15-2	Lab	LCS, rec	12/19/2014	Organic	Phenol	n/a	=	34	%	EPA 8270Cm	-88	-88	6	43	
2014/15-2	Lab	LCS dup	12/20/2014	Organic	Phenol	n/a	=	3.52	µg/L	EPA 8270Cm	0.35	1			
2014/15-2	Lab	LCS dup, rec	12/20/2014	Organic	Phenol	n/a	=	35	%	EPA 8270Cm	-88	-88	6	43	
2014/15-2	Lab	LCS, RPD	12/20/2014	Organic	Phenol	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	srgt matrix spike	12/11/2014	Organic	Phenol-d5	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike, rec	12/11/2014	Organic	Phenol-d5	n/a	=	38	%	EPA 625	-88	-88	0.1	53	
2014/15-2	000NONPJ	srgt matrix spike dup	12/11/2014	Organic	Phenol-d5	n/a	=	19.1	µg/L	EPA 625	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/11/2014	Organic	Phenol-d5	n/a	=	38	%	EPA 625	-88	-88	0.1	53	
2014/15-2	Lab	srgt method blank	12/11/2014	Organic	Phenol-d5	n/a	=	12.7	µg/L	EPA 625	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/11/2014	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2014/15-2	Lab	srgt LCS	12/11/2014	Organic	Phenol-d5	n/a	=	11.2	µg/L	EPA 625	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/11/2014	Organic	Phenol-d5	n/a	=	22	%	EPA 625	-88	-88	0.1	53	
2014/15-2	Lab	srgt method blank	12/19/2014	Organic	Phenol-d5	n/a	=	3.34	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/19/2014	Organic	Phenol-d5	n/a	=	33	%	EPA 8270Cm	-88	-88	5	46	
2014/15-2	Lab	srgt LCS	12/19/2014	Organic	Phenol-d5	n/a	=	2.7	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/19/2014	Organic	Phenol-d5	n/a	=	27	%	EPA 8270Cm	-88	-88	5	46	
2014/15-2	Lab	srgt LCS dup	12/20/2014	Organic	Phenol-d5	n/a	=	2.73	µg/L	EPA 8270Cm	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	srgt LCS dup, rec	12/20/2014	Organic	Phenol-d5	n/a	=	27	%	EPA 8270Cm	-88	-88	5	46	
2014/15-2	MO-FIL	srgt environ	12/11/2014	Organic	Phenol-d5	n/a	=	15.8	µg/L	EPA 625	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/11/2014	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2014/15-2	MO-FIL	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	3.21	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	32	%	EPA 8270Cm	-88	-88	5	46	
2014/15-2	000NONPJ	srgt matrix spike	12/11/2014	Organic	p-Terphenyl-d14	n/a	=	19.1	µg/L	EPA 625	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike, rec	12/11/2014	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 625	-88	-88	28	113	
2014/15-2	000NONPJ	srgt matrix spike dup	12/11/2014	Organic	p-Terphenyl-d14	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/11/2014	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 625	-88	-88	28	113	
2014/15-2	Lab	srgt method blank	12/11/2014	Organic	p-Terphenyl-d14	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/11/2014	Organic	p-Terphenyl-d14	n/a	=	66	%	EPA 625	-88	-88	28	113	
2014/15-2	Lab	srgt LCS	12/11/2014	Organic	p-Terphenyl-d14	n/a	=	17	µg/L	EPA 625	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/11/2014	Organic	p-Terphenyl-d14	n/a	=	68	%	EPA 625	-88	-88	28	113	
2014/15-2	Lab	srgt method blank	12/12/2014	Organic	p-Terphenyl-d14	n/a	=	4.15	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/12/2014	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 8270Cm	-88	-88	19	134	
2014/15-2	Lab	srgt LCS	12/12/2014	Organic	p-Terphenyl-d14	n/a	=	4.35	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/12/2014	Organic	p-Terphenyl-d14	n/a	=	87	%	EPA 8270Cm	-88	-88	19	134	
2014/15-2	Lab	srgt LCS dup	12/12/2014	Organic	p-Terphenyl-d14	n/a	=	4.82	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/12/2014	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 8270Cm	-88	-88	19	134	
2014/15-2	MO-FIL	srgt environ	12/11/2014	Organic	p-Terphenyl-d14	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/11/2014	Organic	p-Terphenyl-d14	n/a	=	75	%	EPA 625	-88	-88	28	113	
2014/15-2	MO-FIL	srgt environ	12/13/2014	Organic	p-Terphenyl-d14	n/a	=	5.87	µg/L	EPA 8270Cm	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/13/2014	Organic	p-Terphenyl-d14	n/a	=	117	%	EPA 8270Cm	-88	-88	19	134	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Organic	Pyrene	n/a	=	19.6	µg/L	EPA 625	0.25	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Organic	Pyrene	n/a	=	78	%	EPA 625	-88	-88	52	115	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Organic	Pyrene	n/a	=	19.6	µg/L	EPA 625	0.25	1			
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Organic	Pyrene	n/a	=	78	%	EPA 625	-88	-88	52	115	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Organic	Pyrene	n/a	=	0	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/11/2014	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-2	Lab	LCS	12/11/2014	Organic	Pyrene	n/a	=	18.1	µg/L	EPA 625	0.25	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Organic	Pyrene	n/a	=	73	%	EPA 625	-88	-88	52	115	
2014/15-2	Lab	method blank	12/12/2014	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS	12/12/2014	Organic	Pyrene	n/a	=	8.55	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS, rec	12/12/2014	Organic	Pyrene	n/a	=	85	%	EPA 8270Cm	-88	-88	26	128	
2014/15-2	Lab	LCS dup	12/12/2014	Organic	Pyrene	n/a	=	9.17	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-2	Lab	LCS dup, rec	12/12/2014	Organic	Pyrene	n/a	=	92	%	EPA 8270Cm	-88	-88	26	128	
2014/15-2	Lab	LCS, RPD	12/12/2014	Organic	Pyrene	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	000NONPJ	srgt matrix spike	12/15/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0683	µg/L	EPA 608	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike, rec	12/15/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	68	%	EPA 608	-88	-88	12	117	
2014/15-2	000NONPJ	srgt matrix spike dup	12/15/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0719	µg/L	EPA 608	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/15/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	72	%	EPA 608	-88	-88	12	117	
2014/15-2	Lab	srgt method blank	12/15/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0613	µg/L	EPA 608	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/15/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608	-88	-88	12	117	
2014/15-2	Lab	srgt LCS	12/15/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0581	µg/L	EPA 608	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/15/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	58	%	EPA 608	-88	-88	12	117	
2014/15-2	Lab	srgt method blank	12/16/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0677	µg/L	EPA 608	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/16/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	34	%	EPA 608	-88	-88	12	117	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	srgt LCS	12/16/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.057	µg/L	EPA 608	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/16/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	57	%	EPA 608	-88	-88	12	117	
2014/15-2	MO-FIL	srgt environ	12/16/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.114	µg/L	EPA 608	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/16/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	114	%	EPA 608	-88	-88	12	117	
2014/15-2	Lab	srgt LCS	12/7/2014	Organic	Toluene-d8	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/7/2014	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2014/15-2	Lab	srgt LCS dup	12/7/2014	Organic	Toluene-d8	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/7/2014	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-2	Lab	srgt method blank	12/7/2014	Organic	Toluene-d8	n/a	=	48.2	µg/L	EPA 624	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/7/2014	Organic	Toluene-d8	n/a	=	96	%	EPA 624	-88	-88	92	112	
2014/15-2	ME-VR2	srgt environ	12/7/2014	Organic	Toluene-d8	n/a	=	48.5	µg/L	EPA 624	-88	-88			
2014/15-2	ME-VR2	srgt environ, rec	12/7/2014	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2014/15-2	MO-FIL	srgt environ	12/8/2014	Organic	Toluene-d8	n/a	=	49.4	µg/L	EPA 624	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/8/2014	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2014/15-2	MO-MEI	srgt environ	12/7/2014	Organic	Toluene-d8	n/a	=	49	µg/L	EPA 624	-88	-88			
2014/15-2	MO-MEI	srgt environ, rec	12/7/2014	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2014/15-2	MO-OJA	srgt environ	12/7/2014	Organic	Toluene-d8	n/a	=	49.5	µg/L	EPA 624	-88	-88			
2014/15-2	MO-OJA	srgt environ, rec	12/7/2014	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2014/15-2	MO-OXN	srgt environ	12/7/2014	Organic	Toluene-d8	n/a	=	49.1	µg/L	EPA 624	-88	-88			
2014/15-2	MO-OXN	srgt environ, rec	12/7/2014	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2014/15-2	MO-OXN	srgt field duplicate	12/8/2014	Organic	Toluene-d8	n/a	=	49.3	µg/L	EPA 624	-88	-88			
2014/15-2	MO-OXN	srgt field duplicate, rec	12/8/2014	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2014/15-2	MO-SPA	srgt environ	12/8/2014	Organic	Toluene-d8	n/a	=	48	µg/L	EPA 624	-88	-88			
2014/15-2	MO-SPA	srgt environ, rec	12/8/2014	Organic	Toluene-d8	n/a	=	96	%	EPA 624	-88	-88	92	112	
2014/15-2	MO-VEN	srgt environ	12/7/2014	Organic	Toluene-d8	n/a	=	50	µg/L	EPA 624	-88	-88			
2014/15-2	MO-VEN	srgt environ, rec	12/7/2014	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2014/15-2	000NONPJ	srgt matrix spike	12/5/2014	Organic	Triphenylphosphate	n/a	=	0.969	µg/L	EPA 525.2m	-88	-88			GN
2014/15-2	000NONPJ	srgt matrix spike, rec	12/5/2014	Organic	Triphenylphosphate	n/a	=	194	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-2	000NONPJ	srgt matrix spike dup	12/5/2014	Organic	Triphenylphosphate	n/a	=	1.01	µg/L	EPA 525.2m	-88	-88			GN
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/5/2014	Organic	Triphenylphosphate	n/a	=	201	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-2	000NONPJ	srgt matrix spike	12/9/2014	Organic	Triphenylphosphate	n/a	=	0.547	µg/L	EPA 525.2m	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike, rec	12/9/2014	Organic	Triphenylphosphate	n/a	=	109	%	EPA 525.2m	-88	-88	40	163	
2014/15-2	000NONPJ	srgt matrix spike dup	12/9/2014	Organic	Triphenylphosphate	n/a	=	0.564	µg/L	EPA 525.2m	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/9/2014	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2m	-88	-88	40	163	
2014/15-2	000NONPJ	srgt matrix spike	12/9/2014	Organic	Triphenylphosphate	n/a	=	0.888	µg/L	EPA 525.2m	-88	-88			GN
2014/15-2	000NONPJ	srgt matrix spike, rec	12/9/2014	Organic	Triphenylphosphate	n/a	=	178	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-2	000NONPJ	srgt matrix spike dup	12/9/2014	Organic	Triphenylphosphate	n/a	=	1.07	µg/L	EPA 525.2m	-88	-88			GN
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/9/2014	Organic	Triphenylphosphate	n/a	=	215	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-2	Lab	srgt method blank	12/5/2014	Organic	Triphenylphosphate	n/a	=	0.587	µg/L	EPA 525.2m	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/5/2014	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2m	-88	-88	40	163	
2014/15-2	Lab	srgt LCS	12/5/2014	Organic	Triphenylphosphate	n/a	=	0.582	µg/L	EPA 525.2m	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/5/2014	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2m	-88	-88	40	163	
2014/15-2	Lab	srgt method blank	12/9/2014	Organic	Triphenylphosphate	n/a	=	0.533	µg/L	EPA 525.2m	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/9/2014	Organic	Triphenylphosphate	n/a	=	107	%	EPA 525.2m	-88	-88	40	163	
2014/15-2	Lab	srgt LCS	12/9/2014	Organic	Triphenylphosphate	n/a	=	0.545	µg/L	EPA 525.2m	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/9/2014	Organic	Triphenylphosphate	n/a	=	109	%	EPA 525.2m	-88	-88	40	163	
2014/15-2	Lab	srgt method blank	12/15/2014	Organic	Triphenylphosphate	n/a	=	5.13	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	srgt method blank, rec	12/15/2014	Organic	Triphenylphosphate	n/a	=	103	%	EPA 525.2	-88	-88	70	149	
2014/15-2	Lab	srgt LCS	12/15/2014	Organic	Triphenylphosphate	n/a	=	5.38	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/15/2014	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2	-88	-88	70	149	
2014/15-2	Lab	srgt LCS dup	12/15/2014	Organic	Triphenylphosphate	n/a	=	5.8	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/15/2014	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	149	
2014/15-2	Lab	srgt method blank	12/23/2014	Organic	Triphenylphosphate	n/a	=	5.24	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/23/2014	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2	-88	-88	70	149	
2014/15-2	Lab	srgt LCS	12/23/2014	Organic	Triphenylphosphate	n/a	=	5.08	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/23/2014	Organic	Triphenylphosphate	n/a	=	102	%	EPA 525.2	-88	-88	70	149	
2014/15-2	Lab	srgt LCS dup	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.91	µg/L	EPA 525.2	-88	-88			
2014/15-2	Lab	srgt LCS dup, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	98	%	EPA 525.2	-88	-88	70	149	
2014/15-2	ME-VR2	srgt environ	12/9/2014	Organic	Triphenylphosphate	n/a	=	0.587	µg/L	EPA 525.2m	-88	-88			
2014/15-2	ME-VR2	srgt environ, rec	12/9/2014	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2m	-88	-88	40	163	
2014/15-2	ME-VR2	srgt environ	12/15/2014	Organic	Triphenylphosphate	n/a	=	5.02	µg/L	EPA 525.2	-88	-88			
2014/15-2	ME-VR2	srgt environ, rec	12/15/2014	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2	-88	-88	70	149	
2014/15-2	MO-FIL	srgt environ	12/5/2014	Organic	Triphenylphosphate	n/a	=	0.679	µg/L	EPA 525.2m	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/5/2014	Organic	Triphenylphosphate	n/a	=	136	%	EPA 525.2m	-88	-88	40	163	
2014/15-2	MO-FIL	srgt environ	12/15/2014	Organic	Triphenylphosphate	n/a	=	4.37	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/15/2014	Organic	Triphenylphosphate	n/a	=	87	%	EPA 525.2	-88	-88	70	149	
2014/15-2	MO-MEI	srgt environ	12/9/2014	Organic	Triphenylphosphate	n/a	=	0.728	µg/L	EPA 525.2m	-88	-88			
2014/15-2	MO-MEI	srgt environ, rec	12/9/2014	Organic	Triphenylphosphate	n/a	=	146	%	EPA 525.2m	-88	-88	40	163	
2014/15-2	MO-MEI	srgt environ	12/15/2014	Organic	Triphenylphosphate	n/a	=	3.43	µg/L	EPA 525.2	-88	-88			GN
2014/15-2	MO-MEI	srgt environ, rec	12/15/2014	Organic	Triphenylphosphate	n/a	=	65	%	EPA 525.2	-88	-88	70	149	GN
2014/15-2	MO-OJA	srgt environ	12/9/2014	Organic	Triphenylphosphate	n/a	=	0.872	µg/L	EPA 525.2m	-88	-88			GN
2014/15-2	MO-OJA	srgt environ, rec	12/9/2014	Organic	Triphenylphosphate	n/a	=	174	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-2	MO-OJA	srgt environ	12/15/2014	Organic	Triphenylphosphate	n/a	=	4.74	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-OJA	srgt environ, rec	12/15/2014	Organic	Triphenylphosphate	n/a	=	90	%	EPA 525.2	-88	-88	70	149	
2014/15-2	MO-OXN	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	3.88	µg/L	EPA 525.2	-88	-88			
2014/15-2	MO-OXN	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	74	%	EPA 525.2	-88	-88	70	149	
2014/15-2	MO-SPA	srgt environ	12/9/2014	Organic	Triphenylphosphate	n/a	=	0.642	µg/L	EPA 525.2m	-88	-88			
2014/15-2	MO-SPA	srgt environ, rec	12/9/2014	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2014/15-2	MO-SPA	srgt environ	12/15/2014	Organic	Triphenylphosphate	n/a	=	2.41	µg/L	EPA 525.2	-88	-88			GN
2014/15-2	MO-SPA	srgt environ, rec	12/15/2014	Organic	Triphenylphosphate	n/a	=	48	%	EPA 525.2	-88	-88	70	149	GN
2014/15-2	MO-VEN	srgt environ	12/9/2014	Organic	Triphenylphosphate	n/a	=	0.634	µg/L	EPA 525.2m	-88	-88			
2014/15-2	MO-VEN	srgt environ, rec	12/9/2014	Organic	Triphenylphosphate	n/a	=	127	%	EPA 525.2m	-88	-88	40	163	
2014/15-2	MO-VEN	srgt environ	12/15/2014	Organic	Triphenylphosphate	n/a	=	3.14	µg/L	EPA 525.2	-88	-88			GN
2014/15-2	MO-VEN	srgt environ, rec	12/15/2014	Organic	Triphenylphosphate	n/a	=	63	%	EPA 525.2	-88	-88	70	149	GN
2014/15-2	000NONPJ	srgt matrix spike	12/15/2014	PCB	PCB 209	n/a	=	0.0558	µg/L	EPA 608	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike, rec	12/15/2014	PCB	PCB 209	n/a	=	56	%	EPA 608	-88	-88	0.1	118	
2014/15-2	000NONPJ	srgt matrix spike dup	12/15/2014	PCB	PCB 209	n/a	=	0.0659	µg/L	EPA 608	-88	-88			
2014/15-2	000NONPJ	srgt matrix spike dup, rec	12/15/2014	PCB	PCB 209	n/a	=	66	%	EPA 608	-88	-88	0.1	118	
2014/15-2	Lab	srgt method blank	12/15/2014	PCB	PCB 209	n/a	=	0.0951	µg/L	EPA 608	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/15/2014	PCB	PCB 209	n/a	=	95	%	EPA 608	-88	-88	0.1	118	
2014/15-2	Lab	srgt LCS	12/15/2014	PCB	PCB 209	n/a	=	0.0896	µg/L	EPA 608	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/15/2014	PCB	PCB 209	n/a	=	90	%	EPA 608	-88	-88	0.1	118	
2014/15-2	Lab	srgt method blank	12/16/2014	PCB	PCB 209	n/a	=	0.0782	µg/L	EPA 608	-88	-88			
2014/15-2	Lab	srgt method blank, rec	12/16/2014	PCB	PCB 209	n/a	=	39	%	EPA 608	-88	-88	0.1	118	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	srgt LCS	12/16/2014	PCB	PCB 209	n/a	=	0.0662	µg/L	EPA 608	-88	-88			
2014/15-2	Lab	srgt LCS, rec	12/16/2014	PCB	PCB 209	n/a	=	66	%	EPA 608	-88	-88	0.1	118	
2014/15-2	MO-FIL	srgt environ	12/16/2014	PCB	PCB 209	n/a	=	0.0769	µg/L	EPA 608	-88	-88			
2014/15-2	MO-FIL	srgt environ, rec	12/16/2014	PCB	PCB 209	n/a	=	77	%	EPA 608	-88	-88	0.1	118	
2014/15-2	Lab	method blank	12/15/2014	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2014/15-2	Lab	method blank	12/16/2014	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2014/15-2	Lab	method blank	12/15/2014	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-2	Lab	method blank	12/16/2014	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-2	Lab	method blank	12/15/2014	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2014/15-2	Lab	method blank	12/16/2014	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2014/15-2	Lab	method blank	12/15/2014	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2014/15-2	Lab	method blank	12/16/2014	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2014/15-2	Lab	method blank	12/15/2014	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-2	Lab	method blank	12/16/2014	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-2	Lab	method blank	12/15/2014	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-2	Lab	method blank	12/16/2014	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-2	Lab	method blank	12/15/2014	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-2	Lab	method blank	12/16/2014	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-2	Lab	method blank	12/5/2014	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	2,4,5-T	n/a	=	3.69	µg/L	EPA 515.3	0.07	0.2			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	2,4,5-T	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	2,4,5-T	n/a	=	3.44	µg/L	EPA 515.3	0.07	0.2			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	2,4,5-T	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	2,4,5-T	n/a	=	3.5	µg/L	EPA 515.3	0.07	0.2			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	2,4,5-T	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	2,4,5-T	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	2,4,5-TP	n/a	=	3.49	µg/L	EPA 515.3	0.09	0.2			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	2,4,5-TP	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	2,4,5-TP	n/a	=	3.21	µg/L	EPA 515.3	0.09	0.2			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	2,4,5-TP	n/a	=	80	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	2,4,5-TP	n/a	=	3.25	µg/L	EPA 515.3	0.09	0.2			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	2,4,5-TP	n/a	=	81	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	2,4,5-TP	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	2,4-D	n/a	=	8.15	µg/L	EPA 515.3	0.07	0.4			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	2,4-D	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	2,4-D	n/a	=	7.54	µg/L	EPA 515.3	0.07	0.4			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	2,4-D	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	2,4-D	n/a	=	7.61	µg/L	EPA 515.3	0.07	0.4			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	2,4-D	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	2,4-D	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	2,4-DB	n/a	=	15.5	µg/L	EPA 515.3	0.07	2			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	2,4-DB	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	2,4-DB	n/a	=	14.9	µg/L	EPA 515.3	0.07	2			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	2,4-DB	n/a	=	93	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	2,4-DB	n/a	=	14.9	µg/L	EPA 515.3	0.07	2			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	2,4-DB	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	2,4-DB	n/a	=	0.3	%	EPA 515.3	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.6	µg/L	EPA 515.3	0.09	1			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	6.92	µg/L	EPA 515.3	0.09	1			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	6.92	µg/L	EPA 515.3	0.09	1			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.06	%	EPA 515.3	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	4,4'-DDD	n/a	=	0.0572	µg/L	EPA 608	0.003	0.05			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	4,4'-DDD	n/a	=	57	%	EPA 608	-88	-88	23	124	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	4,4'-DDD	n/a	=	0.0639	µg/L	EPA 608	0.003	0.05			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	4,4'-DDD	n/a	=	64	%	EPA 608	-88	-88	23	124	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	4,4'-DDD	n/a	=	11	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	4,4'-DDD	n/a	=	0.0769	µg/L	EPA 608	0.003	0.05			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	4,4'-DDD	n/a	=	77	%	EPA 608	-88	-88	42	133	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	4,4'-DDD	n/a	=	0.0627	µg/L	EPA 608	0.003	0.05			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	4,4'-DDD	n/a	=	63	%	EPA 608	-88	-88	42	133	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	4,4'-DDE	n/a	=	0.0599	µg/L	EPA 608	0.0025	0.05			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	4,4'-DDE	n/a	=	60	%	EPA 608	-88	-88	30	114	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	4,4'-DDE	n/a	=	0.0675	µg/L	EPA 608	0.0025	0.05			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	4,4'-DDE	n/a	=	68	%	EPA 608	-88	-88	30	114	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	4,4'-DDE	n/a	=	12	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	4,4'-DDE	n/a	=	0.0784	µg/L	EPA 608	0.0025	0.05			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	4,4'-DDE	n/a	=	78	%	EPA 608	-88	-88	33	126	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	4,4'-DDE	n/a	=	0.0604	µg/L	EPA 608	0.0025	0.05			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	4,4'-DDE	n/a	=	60	%	EPA 608	-88	-88	33	126	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	4,4'-DDT	n/a	=	0.0631	µg/L	EPA 608	0.0031	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	4,4'-DDT	n/a	=	63	%	EPA 608	-88	-88	11	151	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	4,4'-DDT	n/a	=	0.0717	µg/L	EPA 608	0.0031	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	4,4'-DDT	n/a	=	72	%	EPA 608	-88	-88	11	151	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	4,4'-DDT	n/a	=	13	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	4,4'-DDT	n/a	=	0.0827	µg/L	EPA 608	0.0031	0.01			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	4,4'-DDT	n/a	=	83	%	EPA 608	-88	-88	35	147	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	4,4'-DDT	n/a	=	0.061	µg/L	EPA 608	0.0031	0.01			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	4,4'-DDT	n/a	=	61	%	EPA 608	-88	-88	35	147	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Acifluorfen	n/a	=	4.16	µg/L	EPA 515.3	0.06	0.4			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Acifluorfen	n/a	=	104	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	Acifluorfen	n/a	=	3.44	µg/L	EPA 515.3	0.06	0.4			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	Acifluorfen	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	Acifluorfen	n/a	=	3.44	µg/L	EPA 515.3	0.06	0.4			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	Acifluorfen	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	Acifluorfen	n/a	=	0.06	%	EPA 515.3	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Alachlor	n/a	=	5.34	µg/L	EPA 525.2	0.022	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Alachlor	n/a	=	107	%	EPA 525.2	-88	-88	55	124	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Alachlor	n/a	=	5.31	µg/L	EPA 525.2	0.022	0.1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Alachlor	n/a	=	106	%	EPA 525.2	-88	-88	55	124	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Alachlor	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Alachlor	n/a	=	6.05	µg/L	EPA 525.2	0.022	0.1			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Alachlor	n/a	=	121	%	EPA 525.2	-88	-88	55	124	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Alachlor	n/a	=	5.22	µg/L	EPA 525.2	0.022	0.1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Alachlor	n/a	=	104	%	EPA 525.2	-88	-88	55	124	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Alachlor	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	Aldrin	n/a	=	0.0561	µg/L	EPA 608	0.0015	0.005			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	Aldrin	n/a	=	56	%	EPA 608	-88	-88	18	110	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	Aldrin	n/a	=	0.0616	µg/L	EPA 608	0.0015	0.005			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	Aldrin	n/a	=	62	%	EPA 608	-88	-88	18	110	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	Aldrin	n/a	=	9	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Aldrin	n/a	=	0.0669	µg/L	EPA 608	0.0015	0.005			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Aldrin	n/a	=	67	%	EPA 608	-88	-88	18	117	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	Aldrin	n/a	=	0.0556	µg/L	EPA 608	0.0015	0.005			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	Aldrin	n/a	=	56	%	EPA 608	-88	-88	18	117	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	alpha-BHC	n/a	=	0.0596	µg/L	EPA 608	0.0018	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	alpha-BHC	n/a	=	60	%	EPA 608	-88	-88	43	114	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	alpha-BHC	n/a	=	0.064	µg/L	EPA 608	0.0018	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	alpha-BHC	n/a	=	64	%	EPA 608	-88	-88	43	114	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	alpha-BHC	n/a	=	7	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	alpha-BHC	n/a	=	0.069	µg/L	EPA 608	0.0018	0.01			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	alpha-BHC	n/a	=	69	%	EPA 608	-88	-88	47	119	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	alpha-BHC	n/a	=	0.0582	µg/L	EPA 608	0.0018	0.01			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	alpha-BHC	n/a	=	58	%	EPA 608	-88	-88	47	119	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2014/15-2	Lab	method blank	12/16/2014	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Atrazine	n/a	=	5.62	µg/L	EPA 525.2	0.034	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Atrazine	n/a	=	112	%	EPA 525.2	-88	-88	67	131	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Atrazine	n/a	=	5.55	µg/L	EPA 525.2	0.034	0.1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Atrazine	n/a	=	111	%	EPA 525.2	-88	-88	67	131	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Atrazine	n/a	=	1	%	EPA 525.2	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Atrazine	n/a	=	5.9	µg/L	EPA 525.2	0.034	0.1			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Atrazine	n/a	=	118	%	EPA 525.2	-88	-88	67	131	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Atrazine	n/a	=	6.27	µg/L	EPA 525.2	0.034	0.1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Atrazine	n/a	=	125	%	EPA 525.2	-88	-88	67	131	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Atrazine	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Azinphos methyl	n/a	=	0.101	µg/L	EPA 525.2m	0.0055	0.01			GB
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Azinphos methyl	n/a	=	202	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Azinphos methyl	n/a	=	0.0992	µg/L	EPA 525.2m	0.0055	0.01			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Azinphos methyl	n/a	=	198	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Azinphos methyl	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Azinphos methyl	n/a	=	0.0546	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Azinphos methyl	n/a	=	109	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Azinphos methyl	n/a	=	0.0657	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Azinphos methyl	n/a	=	131	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Azinphos methyl	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Azinphos methyl	n/a	=	0.109	µg/L	EPA 525.2m	0.0055	0.01			GB
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Azinphos methyl	n/a	=	219	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Azinphos methyl	n/a	=	0.143	µg/L	EPA 525.2m	0.0055	0.01			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Azinphos methyl	n/a	=	287	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Azinphos methyl	n/a	=	27	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Azinphos methyl	n/a	=	0.0285	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Azinphos methyl	n/a	=	57	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Azinphos methyl	n/a	=	0.0391	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Azinphos methyl	n/a	=	78	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Bentazon	n/a	=	13.8	µg/L	EPA 515.3	0.11	2			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Bentazon	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	Bentazon	n/a	=	12.4	µg/L	EPA 515.3	0.11	2			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	Bentazon	n/a	=	78	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	Bentazon	n/a	=	12.5	µg/L	EPA 515.3	0.11	2			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	Bentazon	n/a	=	78	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	Bentazon	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	beta-BHC	n/a	=	0.0492	µg/L	EPA 608	0.0031	0.005			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	beta-BHC	n/a	=	49	%	EPA 608	-88	-88	24	135	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	beta-BHC	n/a	=	0.0509	µg/L	EPA 608	0.0031	0.005			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	beta-BHC	n/a	=	51	%	EPA 608	-88	-88	24	135	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	beta-BHC	n/a	=	3	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	beta-BHC	n/a	=	0.0779	µg/L	EPA 608	0.0031	0.005			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	beta-BHC	n/a	=	78	%	EPA 608	-88	-88	53	123	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	beta-BHC	n/a	=	0.0627	µg/L	EPA 608	0.0031	0.005			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	beta-BHC	n/a	=	63	%	EPA 608	-88	-88	53	123	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Bolstar	n/a	=	0.0568	µg/L	EPA 525.2m	0.0046	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Bolstar	n/a	=	114	%	EPA 525.2m	-88	-88	4	184	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Bolstar	n/a	=	0.0589	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Bolstar	n/a	=	118	%	EPA 525.2m	-88	-88	4	184	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Bolstar	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Bolstar	n/a	=	0.0375	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Bolstar	n/a	=	75	%	EPA 525.2m	-88	-88	4	184	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Bolstar	n/a	=	0.0366	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Bolstar	n/a	=	73	%	EPA 525.2m	-88	-88	4	184	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Bolstar	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Bolstar	n/a	=	0.065	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Bolstar	n/a	=	130	%	EPA 525.2m	-88	-88	4	184	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Bolstar	n/a	=	0.0731	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Bolstar	n/a	=	146	%	EPA 525.2m	-88	-88	4	184	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Bolstar	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Bolstar	n/a	=	0.037	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Bolstar	n/a	=	74	%	EPA 525.2m	-88	-88	11	166	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Bolstar	n/a	=	0.0397	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Bolstar	n/a	=	79	%	EPA 525.2m	-88	-88	11	166	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Bromacil	n/a	=	5.48	µg/L	EPA 525.2	0.038	1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Bromacil	n/a	=	110	%	EPA 525.2	-88	-88	62	139	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Bromacil	n/a	=	5.54	µg/L	EPA 525.2	0.038	1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Bromacil	n/a	=	111	%	EPA 525.2	-88	-88	62	139	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Bromacil	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Bromacil	n/a	=	5.27	µg/L	EPA 525.2	0.038	1			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Bromacil	n/a	=	105	%	EPA 525.2	-88	-88	62	139	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Bromacil	n/a	=	6.11	µg/L	EPA 525.2	0.038	1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Bromacil	n/a	=	122	%	EPA 525.2	-88	-88	62	139	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Bromacil	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Butachlor	n/a	=	4.89	µg/L	EPA 525.2	0.017	0.2			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Butachlor	n/a	=	98	%	EPA 525.2	-88	-88	61	127	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Butachlor	n/a	=	5	µg/L	EPA 525.2	0.017	0.2			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Butachlor	n/a	=	100	%	EPA 525.2	-88	-88	61	127	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Butachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Butachlor	n/a	=	6.05	µg/L	EPA 525.2	0.017	0.2			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Butachlor	n/a	=	121	%	EPA 525.2	-88	-88	61	127	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Butachlor	n/a	=	5.12	µg/L	EPA 525.2	0.017	0.2			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Butachlor	n/a	=	102	%	EPA 525.2	-88	-88	61	127	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Butachlor	n/a	=	17	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Captan	n/a	=	4.94	µg/L	EPA 525.2	0.86	1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Captan	n/a	=	99	%	EPA 525.2	-88	-88	14	159	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Captan	n/a	=	5.33	µg/L	EPA 525.2	0.86	1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Captan	n/a	=	107	%	EPA 525.2	-88	-88	14	159	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Captan	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Captan	n/a	=	4.98	µg/L	EPA 525.2	0.86	1			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Captan	n/a	=	100	%	EPA 525.2	-88	-88	14	159	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Captan	n/a	=	5.09	µg/L	EPA 525.2	0.86	1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Captan	n/a	=	102	%	EPA 525.2	-88	-88	14	159	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Captan	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2014/15-2	Lab	method blank	12/16/2014	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Chloroprotham	n/a	=	6	µg/L	EPA 525.2	0.01	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Chloroprotham	n/a	=	120	%	EPA 525.2	-88	-88	77	143	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Chloroprotham	n/a	=	6.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Chloroprotham	n/a	=	120	%	EPA 525.2	-88	-88	77	143	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Chloroprotham	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Chloroprotham	n/a	=	6.28	µg/L	EPA 525.2	0.01	0.1			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Chloroprotham	n/a	=	126	%	EPA 525.2	-88	-88	77	143	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Chloroprotham	n/a	=	6.48	µg/L	EPA 525.2	0.01	0.1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Chloroprotham	n/a	=	130	%	EPA 525.2	-88	-88	77	143	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Chloroprotham	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Chlorpyrifos	n/a	=	0.0839	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Chlorpyrifos	n/a	=	139	%	EPA 525.2m	-88	-88	37	168	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Chlorpyrifos	n/a	=	0.0754	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Chlorpyrifos	n/a	=	122	%	EPA 525.2m	-88	-88	37	168	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Chlorpyrifos	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Chlorpyrifos	n/a	=	0.0682	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Chlorpyrifos	n/a	=	136	%	EPA 525.2m	-88	-88	37	168	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Chlorpyrifos	n/a	=	0.0822	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Chlorpyrifos	n/a	=	164	%	EPA 525.2m	-88	-88	37	168	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Chlorpyrifos	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Chlorpyrifos	n/a	=	0.0674	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Chlorpyrifos	n/a	=	135	%	EPA 525.2m	-88	-88	37	168	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Chlorpyrifos	n/a	=	0.0748	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Chlorpyrifos	n/a	=	150	%	EPA 525.2m	-88	-88	37	168	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Chlorpyrifos	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Chlorpyrifos	n/a	=	0.0524	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Chlorpyrifos	n/a	=	105	%	EPA 525.2m	-88	-88	37	169	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Chlorpyrifos	n/a	=	0.0704	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Chlorpyrifos	n/a	=	141	%	EPA 525.2m	-88	-88	37	169	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Coumaphos	n/a	=	0.0725	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Coumaphos	n/a	=	145	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Coumaphos	n/a	=	0.072	µg/L	EPA 525.2m	0.0051	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Coumaphos	n/a	=	144	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Coumaphos	n/a	=	0.7	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Coumaphos	n/a	=	0.046	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Coumaphos	n/a	=	92	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Coumaphos	n/a	=	0.0503	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Coumaphos	n/a	=	101	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Coumaphos	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Coumaphos	n/a	=	0.0772	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Coumaphos	n/a	=	154	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Coumaphos	n/a	=	0.0969	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Coumaphos	n/a	=	194	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Coumaphos	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Coumaphos	n/a	=	0.037	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Coumaphos	n/a	=	74	%	EPA 525.2m	-88	-88	0.1	225	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Coumaphos	n/a	=	0.041	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Coumaphos	n/a	=	82	%	EPA 525.2m	-88	-88	0.1	225	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Cyanazine	n/a	=	4.71	µg/L	EPA 525.2	0.024	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Cyanazine	n/a	=	94	%	EPA 525.2	-88	-88	61	129	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Cyanazine	n/a	=	5.52	µg/L	EPA 525.2	0.024	0.1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Cyanazine	n/a	=	110	%	EPA 525.2	-88	-88	61	129	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Cyanazine	n/a	=	16	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Cyanazine	n/a	=	5.54	µg/L	EPA 525.2	0.024	0.1			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Cyanazine	n/a	=	111	%	EPA 525.2	-88	-88	61	129	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Cyanazine	n/a	=	5.71	µg/L	EPA 525.2	0.024	0.1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Cyanazine	n/a	=	114	%	EPA 525.2	-88	-88	61	129	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Cyanazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Dalapon	n/a	=	6.29	µg/L	EPA 515.3	0.1	0.4			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Dalapon	n/a	=	79	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	Dalapon	n/a	=	6.19	µg/L	EPA 515.3	0.1	0.4			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	Dalapon	n/a	=	77	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	Dalapon	n/a	=	6.7	µg/L	EPA 515.3	0.1	0.4			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	Dalapon	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	Dalapon	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	DCPA (Dacthal)	n/a	=	3.68	µg/L	EPA 515.3	0.07	0.1			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	DCPA (Dacthal)	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	DCPA (Dacthal)	n/a	=	3.5	µg/L	EPA 515.3	0.07	0.1			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	DCPA (Dacthal)	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	DCPA (Dacthal)	n/a	=	3.59	µg/L	EPA 515.3	0.07	0.1			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	DCPA (Dacthal)	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	DCPA (Dacthal)	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	delta-BHC	n/a	=	0.0536	µg/L	EPA 608	0.0025	0.005			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	delta-BHC	n/a	=	54	%	EPA 608	-88	-88	37	122	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	delta-BHC	n/a	=	0.0571	µg/L	EPA 608	0.0025	0.005			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	delta-BHC	n/a	=	57	%	EPA 608	-88	-88	37	122	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	delta-BHC	n/a	=	6	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	delta-BHC	n/a	=	0.0745	µg/L	EPA 608	0.0025	0.005			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	delta-BHC	n/a	=	75	%	EPA 608	-88	-88	51	123	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	delta-BHC	n/a	=	0.0658	µg/L	EPA 608	0.0025	0.005			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	delta-BHC	n/a	=	66	%	EPA 608	-88	-88	51	123	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Demeton-O	n/a	=	0.0593	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Demeton-O	n/a	=	119	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Demeton-O	n/a	=	0.0518	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Demeton-O	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Demeton-O	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Demeton-O	n/a	=	0.0577	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Demeton-O	n/a	=	115	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Demeton-O	n/a	=	0.0501	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Demeton-O	n/a	=	100	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Demeton-O	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Demeton-O	n/a	=	0.0599	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Demeton-O	n/a	=	120	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Demeton-O	n/a	=	0.0567	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Demeton-O	n/a	=	113	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Demeton-O	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Demeton-O	n/a	=	0.0386	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Demeton-O	n/a	=	77	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Demeton-O	n/a	=	0.0571	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Demeton-O	n/a	=	114	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Demeton-S	n/a	=	0.0593	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Demeton-S	n/a	=	119	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Demeton-S	n/a	=	0.0518	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Demeton-S	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Demeton-S	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Demeton-S	n/a	=	0.0577	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Demeton-S	n/a	=	115	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Demeton-S	n/a	=	0.0501	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Demeton-S	n/a	=	100	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Demeton-S	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Demeton-S	n/a	=	0.0599	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Demeton-S	n/a	=	120	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Demeton-S	n/a	=	0.0567	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Demeton-S	n/a	=	113	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Demeton-S	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Demeton-S	n/a	=	0.0386	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Demeton-S	n/a	=	77	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Demeton-S	n/a	=	0.0571	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Demeton-S	n/a	=	114	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Diazinon	n/a	=	0.0492	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Diazinon	n/a	=	98	%	EPA 525.2m	-88	-88	36	153	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Diazinon	n/a	=	0.0338	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Diazinon	n/a	=	68	%	EPA 525.2m	-88	-88	36	153	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Diazinon	n/a	=	37	%	EPA 525.2m	-88	-88	0	30	IL
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Diazinon	n/a	=	0.0597	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Diazinon	n/a	=	119	%	EPA 525.2m	-88	-88	36	153	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Diazinon	n/a	=	0.0579	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Diazinon	n/a	=	116	%	EPA 525.2m	-88	-88	36	153	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Diazinon	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Diazinon	n/a	=	0.058	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Diazinon	n/a	=	116	%	EPA 525.2m	-88	-88	36	153	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Diazinon	n/a	=	0.0535	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Diazinon	n/a	=	107	%	EPA 525.2m	-88	-88	36	153	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Diazinon	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Diazinon	n/a	=	0.0358	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Diazinon	n/a	=	72	%	EPA 525.2m	-88	-88	43	152	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Diazinon	n/a	=	0.0523	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Diazinon	n/a	=	105	%	EPA 525.2m	-88	-88	43	152	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Diazinon	n/a	=	4.56	µg/L	EPA 525.2	0.096	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Diazinon	n/a	=	91	%	EPA 525.2	-88	-88	30	120	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Diazinon	n/a	=	4.78	µg/L	EPA 525.2	0.096	0.1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Diazinon	n/a	=	96	%	EPA 525.2	-88	-88	30	120	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Diazinon	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Diazinon	n/a	=	5.46	µg/L	EPA 525.2	0.096	0.1			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Diazinon	n/a	=	109	%	EPA 525.2	-88	-88	30	120	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Diazinon	n/a	=	4.71	µg/L	EPA 525.2	0.096	0.1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Diazinon	n/a	=	94	%	EPA 525.2	-88	-88	30	120	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Diazinon	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Dicamba	n/a	=	7.59	µg/L	EPA 515.3	0.12	0.6			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Dicamba	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	Dicamba	n/a	=	7.15	µg/L	EPA 515.3	0.12	0.6			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	Dicamba	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	Dicamba	n/a	=	7.19	µg/L	EPA 515.3	0.12	0.6			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	Dicamba	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	Dicamba	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Dichlorprop	n/a	=	8.28	µg/L	EPA 515.3	0.08	0.3			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Dichlorprop	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	Dichlorprop	n/a	=	8.02	µg/L	EPA 515.3	0.08	0.3			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	Dichlorprop	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	Dichlorprop	n/a	=	8.09	µg/L	EPA 515.3	0.08	0.3			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	Dichlorprop	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	Dichlorprop	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Dichlorvos	n/a	=	0.0675	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Dichlorvos	n/a	=	113	%	EPA 525.2m	-88	-88	42	137	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Dichlorvos	n/a	=	0.0677	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Dichlorvos	n/a	=	114	%	EPA 525.2m	-88	-88	42	137	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Dichlorvos	n/a	=	0.2	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Dichlorvos	n/a	=	0.0544	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Dichlorvos	n/a	=	109	%	EPA 525.2m	-88	-88	42	137	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Dichlorvos	n/a	=	0.0588	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Dichlorvos	n/a	=	118	%	EPA 525.2m	-88	-88	42	137	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Dichlorvos	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Dichlorvos	n/a	=	0.0623	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Dichlorvos	n/a	=	125	%	EPA 525.2m	-88	-88	42	137	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Dichlorvos	n/a	=	0.0632	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Dichlorvos	n/a	=	126	%	EPA 525.2m	-88	-88	42	137	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Dichlorvos	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Dichlorvos	n/a	=	0.0505	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Dichlorvos	n/a	=	101	%	EPA 525.2m	-88	-88	46	133	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Dichlorvos	n/a	=	0.0583	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Dichlorvos	n/a	=	117	%	EPA 525.2m	-88	-88	46	133	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	Dieldrin	n/a	=	0.0576	µg/L	EPA 608	0.0021	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	Dieldrin	n/a	=	58	%	EPA 608	-88	-88	27	132	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	Dieldrin	n/a	=	0.0642	µg/L	EPA 608	0.0021	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	Dieldrin	n/a	=	64	%	EPA 608	-88	-88	27	132	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	Dieldrin	n/a	=	11	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Dieldrin	n/a	=	0.0744	µg/L	EPA 608	0.0021	0.01			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Dieldrin	n/a	=	74	%	EPA 608	-88	-88	48	123	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	Dieldrin	n/a	=	0.0591	µg/L	EPA 608	0.0021	0.01			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	Dieldrin	n/a	=	59	%	EPA 608	-88	-88	48	123	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Dimethoate	n/a	=	0.0853	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Dimethoate	n/a	=	171	%	EPA 525.2m	-88	-88	4	222	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Dimethoate	n/a	=	0.0467	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Dimethoate	n/a	=	93	%	EPA 525.2m	-88	-88	4	222	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Dimethoate	n/a	=	58	%	EPA 525.2m	-88	-88	0	30	IL
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Dimethoate	n/a	=	0.0605	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Dimethoate	n/a	=	121	%	EPA 525.2m	-88	-88	4	222	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Dimethoate	n/a	=	0.0817	µg/L	EPA 525.2m	0.0062	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Dimethoate	n/a	=	163	%	EPA 525.2m	-88	-88	4	222	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Dimethoate	n/a	=	30	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Dimethoate	n/a	=	0.0761	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Dimethoate	n/a	=	152	%	EPA 525.2m	-88	-88	4	222	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Dimethoate	n/a	=	0.093	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Dimethoate	n/a	=	186	%	EPA 525.2m	-88	-88	4	222	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Dimethoate	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Dimethoate	n/a	=	0.0401	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Dimethoate	n/a	=	80	%	EPA 525.2m	-88	-88	10	234	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Dimethoate	n/a	=	0.065	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Dimethoate	n/a	=	130	%	EPA 525.2m	-88	-88	10	234	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Dimethoate	n/a	=	4.54	µg/L	EPA 525.2	0.024	0.2			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Dimethoate	n/a	=	91	%	EPA 525.2	-88	-88	38	102	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Dimethoate	n/a	=	4.53	µg/L	EPA 525.2	0.024	0.2			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Dimethoate	n/a	=	91	%	EPA 525.2	-88	-88	38	102	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Dimethoate	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Dimethoate	n/a	=	5.31	µg/L	EPA 525.2	0.024	0.2			EUM
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Dimethoate	n/a	=	106	%	EPA 525.2	-88	-88	38	102	EUM
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Dimethoate	n/a	=	5.77	µg/L	EPA 525.2	0.024	0.2			EUM
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Dimethoate	n/a	=	115	%	EPA 525.2	-88	-88	38	102	EUM
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Dimethoate	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Dinoseb	n/a	=	3.72	µg/L	EPA 515.3	0.14	0.4			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Dinoseb	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	Dinoseb	n/a	=	3.15	µg/L	EPA 515.3	0.14	0.4			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	Dinoseb	n/a	=	79	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	Dinoseb	n/a	=	3.21	µg/L	EPA 515.3	0.14	0.4			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	Dinoseb	n/a	=	80	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	Dinoseb	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Diphenamid	n/a	=	5.38	µg/L	EPA 525.2	0.024	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Diphenamid	n/a	=	108	%	EPA 525.2	-88	-88	77	124	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Diphenamid	n/a	=	5.93	µg/L	EPA 525.2	0.024	0.1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Diphenamid	n/a	=	119	%	EPA 525.2	-88	-88	77	124	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Diphenamid	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Diphenamid	n/a	=	5.05	µg/L	EPA 525.2	0.024	0.1			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Diphenamid	n/a	=	101	%	EPA 525.2	-88	-88	77	124	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Diphenamid	n/a	=	4.75	µg/L	EPA 525.2	0.024	0.1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Diphenamid	n/a	=	95	%	EPA 525.2	-88	-88	77	124	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Diphenamid	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Disulfoton	n/a	=	0.0768	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Disulfoton	n/a	=	154	%	EPA 525.2m	-88	-88	12	199	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Disulfoton	n/a	=	0.0706	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Disulfoton	n/a	=	141	%	EPA 525.2m	-88	-88	12	199	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Disulfoton	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Disulfoton	n/a	=	0.0606	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Disulfoton	n/a	=	121	%	EPA 525.2m	-88	-88	12	199	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Disulfoton	n/a	=	0.0566	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Disulfoton	n/a	=	113	%	EPA 525.2m	-88	-88	12	199	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Disulfoton	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Disulfoton	n/a	=	0.0636	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Disulfoton	n/a	=	127	%	EPA 525.2m	-88	-88	12	199	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Disulfoton	n/a	=	0.0644	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Disulfoton	n/a	=	129	%	EPA 525.2m	-88	-88	12	199	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Disulfoton	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Disulfoton	n/a	=	0.0471	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Disulfoton	n/a	=	94	%	EPA 525.2m	-88	-88	0.1	212	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Disulfoton	n/a	=	0.0655	µg/L	EPA 525.2m	0.01	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Disulfoton	n/a	=	131	%	EPA 525.2m	-88	-88	0.1	212	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Disulfoton	n/a	=	9.39	µg/L	EPA 525.2	0.031	0.1			EUM
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Disulfoton	n/a	=	188	%	EPA 525.2	-88	-88	54	156	EUM
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Disulfoton	n/a	=	9.69	µg/L	EPA 525.2	0.031	0.1			EUM
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Disulfoton	n/a	=	194	%	EPA 525.2	-88	-88	54	156	EUM
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Disulfoton	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Disulfoton	n/a	=	11.2	µg/L	EPA 525.2	0.031	0.1			EUM
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Disulfoton	n/a	=	223	%	EPA 525.2	-88	-88	54	156	EUM
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Disulfoton	n/a	=	10.3	µg/L	EPA 525.2	0.031	0.1			EUM
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Disulfoton	n/a	=	206	%	EPA 525.2	-88	-88	54	156	EUM
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Disulfoton	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	Endosulfan I	n/a	=	0.0553	µg/L	EPA 608	0.0017	0.02			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	Endosulfan I	n/a	=	55	%	EPA 608	-88	-88	0.1	140	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	Endosulfan I	n/a	=	0.0607	µg/L	EPA 608	0.0017	0.02			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	Endosulfan I	n/a	=	61	%	EPA 608	-88	-88	0.1	140	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	Endosulfan I	n/a	=	9	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Endosulfan I	n/a	=	0.0682	µg/L	EPA 608	0.0017	0.02			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Endosulfan I	n/a	=	68	%	EPA 608	-88	-88	14	131	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	Endosulfan I	n/a	=	0.0538	µg/L	EPA 608	0.0017	0.02			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	Endosulfan I	n/a	=	54	%	EPA 608	-88	-88	14	131	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	Endosulfan II	n/a	DNQ	0.0004	µg/L	EPA 608	0	0.01			GB
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	Endosulfan II	n/a	=	0.4	%	EPA 608	-88	-88	17	122	GB
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	Endosulfan II	n/a	DNQ	0.0004	µg/L	EPA 608	0	0.01			GB,IL
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	Endosulfan II	n/a	=	0.4	%	EPA 608	-88	-88	17	122	GB,IL
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	Endosulfan II	n/a	=	200	%	EPA 608	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Endosulfan II	n/a	DNQ	0.0007	µg/L	EPA 608	0	0.01			EUM
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Endosulfan II	n/a	=	0.7	%	EPA 608	-88	-88	40	121	EUM
2014/15-2	Lab	method blank	12/16/2014	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	Endosulfan II	n/a	=	0.0579	µg/L	EPA 608	0.0019	0.01			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	Endosulfan II	n/a	=	58	%	EPA 608	-88	-88	40	121	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0001	µg/L	EPA 608	0	0.05			GB
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	Endosulfan sulfate	n/a	=	0.08	%	EPA 608	-88	-88	37	131	GB
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	Endosulfan sulfate	n/a	DNQ	0	µg/L	EPA 608	0	0.05			GB,IL
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	Endosulfan sulfate	n/a	=	0	%	EPA 608	-88	-88	37	131	GB,IL
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	Endosulfan sulfate	n/a	=	200	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0004	µg/L	EPA 608	0	0.05			EUM
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Endosulfan sulfate	n/a	=	0.4	%	EPA 608	-88	-88	44	140	EUM
2014/15-2	Lab	method blank	12/16/2014	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	Endosulfan sulfate	n/a	=	0.0653	µg/L	EPA 608	0.008	0.05			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	Endosulfan sulfate	n/a	=	65	%	EPA 608	-88	-88	44	140	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	Endrin	n/a	=	0.0673	µg/L	EPA 608	0.0028	0.01			GB
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	Endrin	n/a	=	67	%	EPA 608	-88	-88	42	144	GB
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	Endrin	n/a	=	0.0742	µg/L	EPA 608	0.0028	0.01			GB,IL
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	Endrin	n/a	=	74	%	EPA 608	-88	-88	42	144	GB,IL
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	Endrin	n/a	=	10	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Endrin	n/a	=	0.0844	µg/L	EPA 608	0.0028	0.01			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Endrin	n/a	=	84	%	EPA 608	-88	-88	40	143	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	Endrin	n/a	=	0.0619	µg/L	EPA 608	0.0028	0.01			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	Endrin	n/a	=	62	%	EPA 608	-88	-88	40	143	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	Endrin aldehyde	n/a	DNQ	0.0018	µg/L	EPA 608	0	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	Endrin aldehyde	n/a	=	2	%	EPA 608	-88	-88	11	113	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	Endrin aldehyde	n/a	DNQ	0.0019	µg/L	EPA 608	0	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	Endrin aldehyde	n/a	=	2	%	EPA 608	-88	-88	11	113	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	Endrin aldehyde	n/a	=	200	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Endrin aldehyde	n/a	DNQ	0.0039	µg/L	EPA 608	0.003	0.01			EUM
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Endrin aldehyde	n/a	=	4	%	EPA 608	-88	-88	18	136	EUM
2014/15-2	Lab	method blank	12/16/2014	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	Endrin aldehyde	n/a	=	0.055	µg/L	EPA 608	0.003	0.01			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	Endrin aldehyde	n/a	=	55	%	EPA 608	-88	-88	18	136	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	EPTC	n/a	=	5.75	µg/L	EPA 525.2	0.017	1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	EPTC	n/a	=	115	%	EPA 525.2	-88	-88	82	116	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	EPTC	n/a	=	5.71	µg/L	EPA 525.2	0.017	1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	EPTC	n/a	=	114	%	EPA 525.2	-88	-88	82	116	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	EPTC	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	EPTC	n/a	=	5.42	µg/L	EPA 525.2	0.017	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	EPTC	n/a	=	108	%	EPA 525.2	-88	-88	82	116	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	EPTC	n/a	=	5.65	µg/L	EPA 525.2	0.017	1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	EPTC	n/a	=	113	%	EPA 525.2	-88	-88	82	116	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	EPTC	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Ethoprop	n/a	=	0.0668	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Ethoprop	n/a	=	134	%	EPA 525.2m	-88	-88	51	167	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Ethoprop	n/a	=	0.0667	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Ethoprop	n/a	=	133	%	EPA 525.2m	-88	-88	51	167	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Ethoprop	n/a	=	0.1	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Ethoprop	n/a	=	0.0686	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Ethoprop	n/a	=	137	%	EPA 525.2m	-88	-88	51	167	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Ethoprop	n/a	=	0.0759	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Ethoprop	n/a	=	152	%	EPA 525.2m	-88	-88	51	167	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Ethoprop	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Ethoprop	n/a	=	0.0711	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Ethoprop	n/a	=	142	%	EPA 525.2m	-88	-88	51	167	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Ethoprop	n/a	=	0.077	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Ethoprop	n/a	=	154	%	EPA 525.2m	-88	-88	51	167	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Ethoprop	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Ethoprop	n/a	=	0.0466	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Ethoprop	n/a	=	93	%	EPA 525.2m	-88	-88	53	163	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Ethoprop	n/a	=	0.0626	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Ethoprop	n/a	=	125	%	EPA 525.2m	-88	-88	53	163	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Ethyl parathion	n/a	=	0.0919	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Ethyl parathion	n/a	=	184	%	EPA 525.2m	-88	-88	5	229	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Ethyl parathion	n/a	=	0.0925	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Ethyl parathion	n/a	=	185	%	EPA 525.2m	-88	-88	5	229	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Ethyl parathion	n/a	=	0.6	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Ethyl parathion	n/a	=	0.0659	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Ethyl parathion	n/a	=	132	%	EPA 525.2m	-88	-88	5	229	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Ethyl parathion	n/a	=	0.083	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Ethyl parathion	n/a	=	166	%	EPA 525.2m	-88	-88	5	229	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Ethyl parathion	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Ethyl parathion	n/a	=	0.0783	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Ethyl parathion	n/a	=	157	%	EPA 525.2m	-88	-88	5	229	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Ethyl parathion	n/a	=	0.0838	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Ethyl parathion	n/a	=	168	%	EPA 525.2m	-88	-88	5	229	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Ethyl parathion	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Ethyl parathion	n/a	=	0.0429	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Ethyl parathion	n/a	=	86	%	EPA 525.2m	-88	-88	7	230	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Ethyl parathion	n/a	=	0.0612	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Ethyl parathion	n/a	=	122	%	EPA 525.2m	-88	-88	7	230	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Fensulfothion	n/a	=	0.0964	µg/L	EPA 525.2m	0.0029	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Fensulfothion	n/a	=	193	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Fensulfothion	n/a	=	0.0918	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Fensulfothion	n/a	=	184	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Fensulfothion	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Fensulfothion	n/a	=	0.0659	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Fensulfothion	n/a	=	132	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Fensulfothion	n/a	=	0.0694	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Fensulfothion	n/a	=	139	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Fensulfothion	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Fensulfothion	n/a	=	0.115	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Fensulfothion	n/a	=	230	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Fensulfothion	n/a	=	0.141	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Fensulfothion	n/a	=	281	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Fensulfothion	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Fensulfothion	n/a	=	0.0444	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Fensulfothion	n/a	=	89	%	EPA 525.2m	-88	-88	0.1	265	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Fensulfothion	n/a	=	0.0529	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Fensulfothion	n/a	=	106	%	EPA 525.2m	-88	-88	0.1	265	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Fenthion	n/a	=	0.0765	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Fenthion	n/a	=	153	%	EPA 525.2m	-88	-88	23	169	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Fenthion	n/a	=	0.0685	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Fenthion	n/a	=	137	%	EPA 525.2m	-88	-88	23	169	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Fenthion	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Fenthion	n/a	=	0.0632	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Fenthion	n/a	=	126	%	EPA 525.2m	-88	-88	23	169	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Fenthion	n/a	=	0.0723	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Fenthion	n/a	=	145	%	EPA 525.2m	-88	-88	23	169	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Fenthion	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Fenthion	n/a	=	0.0642	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Fenthion	n/a	=	128	%	EPA 525.2m	-88	-88	23	169	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Fenthion	n/a	=	0.0718	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Fenthion	n/a	=	144	%	EPA 525.2m	-88	-88	23	169	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Fenthion	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Fenthion	n/a	=	0.0458	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Fenthion	n/a	=	92	%	EPA 525.2m	-88	-88	20	177	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Fenthion	n/a	=	0.0655	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Fenthion	n/a	=	131	%	EPA 525.2m	-88	-88	20	177	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0603	µg/L	EPA 608	0.0021	0.02			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	60	%	EPA 608	-88	-88	33	112	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	0.065	µg/L	EPA 608	0.0021	0.02			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	65	%	EPA 608	-88	-88	33	112	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	7	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS	12/15/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0716	µg/L	EPA 608	0.0021	0.02			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	72	%	EPA 608	-88	-88	49	117	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0608	µg/L	EPA 608	0.0021	0.02			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	61	%	EPA 608	-88	-88	49	117	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2014/15-2	Lab	method blank	12/16/2014	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2014/15-2	000NONPJ	matrix spike	12/8/2014	Pesticide	Glyphosate	n/a	=	141	µg/L	EPA 547	9	25			
2014/15-2	000NONPJ	matrix spike, rec	12/8/2014	Pesticide	Glyphosate	n/a	=	113	%	EPA 547	-88	-88	41	149	
2014/15-2	000NONPJ	matrix spike dup	12/8/2014	Pesticide	Glyphosate	n/a	=	121	µg/L	EPA 547	9	25			
2014/15-2	000NONPJ	matrix spike dup, rec	12/8/2014	Pesticide	Glyphosate	n/a	=	97	%	EPA 547	-88	-88	41	149	
2014/15-2	000NONPJ	matrix spike, RPD	12/8/2014	Pesticide	Glyphosate	n/a	=	15	%	EPA 547	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/8/2014	Pesticide	Glyphosate	n/a	=	140	µg/L	EPA 547	9	25			
2014/15-2	000NONPJ	matrix spike, rec	12/8/2014	Pesticide	Glyphosate	n/a	=	112	%	EPA 547	-88	-88	41	149	
2014/15-2	000NONPJ	matrix spike dup	12/8/2014	Pesticide	Glyphosate	n/a	=	137	µg/L	EPA 547	9	25			
2014/15-2	000NONPJ	matrix spike dup, rec	12/8/2014	Pesticide	Glyphosate	n/a	=	110	%	EPA 547	-88	-88	41	149	
2014/15-2	000NONPJ	matrix spike, RPD	12/8/2014	Pesticide	Glyphosate	n/a	=	2	%	EPA 547	-88	-88	0	30	
2014/15-2	Lab	LCS	12/8/2014	Pesticide	Glyphosate	n/a	=	27.8	µg/L	EPA 547	1.8	5			
2014/15-2	Lab	LCS, rec	12/8/2014	Pesticide	Glyphosate	n/a	=	111	%	EPA 547	-88	-88	62	130	
2014/15-2	Lab	method blank	12/8/2014	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	Heptachlor	n/a	=	0.0612	µg/L	EPA 608	0.0017	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	Heptachlor	n/a	=	61	%	EPA 608	-88	-88	28	131	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	Heptachlor	n/a	=	0.0665	µg/L	EPA 608	0.0017	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	Heptachlor	n/a	=	67	%	EPA 608	-88	-88	28	131	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	Heptachlor	n/a	=	8	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Heptachlor	n/a	=	0.0705	µg/L	EPA 608	0.0017	0.01			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Heptachlor	n/a	=	71	%	EPA 608	-88	-88	31	130	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	Heptachlor	n/a	=	0.0605	µg/L	EPA 608	0.0017	0.01			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	Heptachlor	n/a	=	60	%	EPA 608	-88	-88	31	130	
2014/15-2	000NONPJ	matrix spike	12/15/2014	Pesticide	Heptachlor epoxide	n/a	=	0.0613	µg/L	EPA 608	0.0019	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/15/2014	Pesticide	Heptachlor epoxide	n/a	=	61	%	EPA 608	-88	-88	36	117	
2014/15-2	000NONPJ	matrix spike dup	12/15/2014	Pesticide	Heptachlor epoxide	n/a	=	0.0667	µg/L	EPA 608	0.0019	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/15/2014	Pesticide	Heptachlor epoxide	n/a	=	67	%	EPA 608	-88	-88	36	117	
2014/15-2	000NONPJ	matrix spike, RPD	12/15/2014	Pesticide	Heptachlor epoxide	n/a	=	8	%	EPA 608	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Heptachlor epoxide	n/a	=	0.075	µg/L	EPA 608	0.0019	0.01			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Heptachlor epoxide	n/a	=	75	%	EPA 608	-88	-88	49	122	
2014/15-2	Lab	method blank	12/16/2014	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-2	Lab	LCS	12/16/2014	Pesticide	Heptachlor epoxide	n/a	=	0.0601	µg/L	EPA 608	0.0019	0.01			
2014/15-2	Lab	LCS, rec	12/16/2014	Pesticide	Heptachlor epoxide	n/a	=	60	%	EPA 608	-88	-88	49	122	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Malathion	n/a	=	0.348	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Malathion	n/a	=	130	%	EPA 525.2m	-88	-88	6	184	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Malathion	n/a	=	0.319	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Malathion	n/a	=	72	%	EPA 525.2m	-88	-88	6	184	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Malathion	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Malathion	n/a	=	0.0851	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Malathion	n/a	=	170	%	EPA 525.2m	-88	-88	6	184	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Malathion	n/a	=	0.108	µg/L	EPA 525.2m	0.0076	0.01			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Malathion	n/a	=	216	%	EPA 525.2m	-88	-88	6	184	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Malathion	n/a	=	24	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Malathion	n/a	=	0.099	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Malathion	n/a	=	170	%	EPA 525.2m	-88	-88	6	184	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Malathion	n/a	=	0.115	µg/L	EPA 525.2m	0.0076	0.01			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Malathion	n/a	=	202	%	EPA 525.2m	-88	-88	6	184	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Malathion	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Malathion	n/a	=	0.0498	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Malathion	n/a	=	100	%	EPA 525.2m	-88	-88	14	175	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Malathion	n/a	=	0.0743	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Malathion	n/a	=	149	%	EPA 525.2m	-88	-88	14	175	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Merphos	n/a	=	0.0743	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Merphos	n/a	=	149	%	EPA 525.2m	-88	-88	3	210	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Merphos	n/a	=	0.0774	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Merphos	n/a	=	155	%	EPA 525.2m	-88	-88	3	210	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Merphos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Merphos	n/a	=	0.0549	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Merphos	n/a	=	110	%	EPA 525.2m	-88	-88	3	210	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Merphos	n/a	=	0.0562	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Merphos	n/a	=	112	%	EPA 525.2m	-88	-88	3	210	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Merphos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Merphos	n/a	=	0.0955	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Merphos	n/a	=	191	%	EPA 525.2m	-88	-88	3	210	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Merphos	n/a	=	0.107	µg/L	EPA 525.2m	0.0058	0.01			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Merphos	n/a	=	214	%	EPA 525.2m	-88	-88	3	210	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Merphos	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Merphos	n/a	=	0.0439	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Merphos	n/a	=	88	%	EPA 525.2m	-88	-88	28	181	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Merphos	n/a	=	0.0469	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Merphos	n/a	=	94	%	EPA 525.2m	-88	-88	28	181	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2014/15-2	Lab	method blank	12/16/2014	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Methyl parathion	n/a	=	0.0994	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Methyl parathion	n/a	=	199	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Methyl parathion	n/a	=	0.0935	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Methyl parathion	n/a	=	187	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Methyl parathion	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Methyl parathion	n/a	=	0.0704	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Methyl parathion	n/a	=	141	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Methyl parathion	n/a	=	0.0889	µg/L	EPA 525.2m	0.0063	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Methyl parathion	n/a	=	178	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Methyl parathion	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Methyl parathion	n/a	=	0.0816	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Methyl parathion	n/a	=	163	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Methyl parathion	n/a	=	0.0887	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Methyl parathion	n/a	=	177	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Methyl parathion	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Methyl parathion	n/a	=	0.0419	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Methyl parathion	n/a	=	84	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Methyl parathion	n/a	=	0.0604	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Methyl parathion	n/a	=	121	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Metolachlor	n/a	=	5.12	µg/L	EPA 525.2	0.012	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Metolachlor	n/a	=	102	%	EPA 525.2	-88	-88	61	123	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Metolachlor	n/a	=	5.24	µg/L	EPA 525.2	0.012	0.1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Metolachlor	n/a	=	105	%	EPA 525.2	-88	-88	61	123	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Metolachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Metolachlor	n/a	=	6.5	µg/L	EPA 525.2	0.012	0.1			EUM
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Metolachlor	n/a	=	130	%	EPA 525.2	-88	-88	61	123	EUM
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Metolachlor	n/a	=	5.6	µg/L	EPA 525.2	0.012	0.1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Metolachlor	n/a	=	112	%	EPA 525.2	-88	-88	61	123	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Metolachlor	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Metribuzin	n/a	=	4.7	µg/L	EPA 525.2	0.015	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Metribuzin	n/a	=	94	%	EPA 525.2	-88	-88	50	121	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Metribuzin	n/a	=	5.14	µg/L	EPA 525.2	0.015	0.1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Metribuzin	n/a	=	103	%	EPA 525.2	-88	-88	50	121	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Metribuzin	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Metribuzin	n/a	=	5.91	µg/L	EPA 525.2	0.015	0.1			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Metribuzin	n/a	=	118	%	EPA 525.2	-88	-88	50	121	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Metribuzin	n/a	=	5.35	µg/L	EPA 525.2	0.015	0.1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Metribuzin	n/a	=	107	%	EPA 525.2	-88	-88	50	121	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Metribuzin	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Mevinphos	n/a	=	0.0839	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Mevinphos	n/a	=	168	%	EPA 525.2m	-88	-88	25	189	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Mevinphos	n/a	=	0.0795	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Mevinphos	n/a	=	159	%	EPA 525.2m	-88	-88	25	189	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Mevinphos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Mevinphos	n/a	=	0.0594	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Mevinphos	n/a	=	119	%	EPA 525.2m	-88	-88	25	189	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Mevinphos	n/a	=	0.0634	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Mevinphos	n/a	=	127	%	EPA 525.2m	-88	-88	25	189	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Mevinphos	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Mevinphos	n/a	=	0.0644	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Mevinphos	n/a	=	129	%	EPA 525.2m	-88	-88	25	189	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Mevinphos	n/a	=	0.0716	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Mevinphos	n/a	=	143	%	EPA 525.2m	-88	-88	25	189	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Mevinphos	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Mevinphos	n/a	=	0.0353	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Mevinphos	n/a	=	71	%	EPA 525.2m	-88	-88	14	202	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Mevinphos	n/a	=	0.0517	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Mevinphos	n/a	=	103	%	EPA 525.2m	-88	-88	14	202	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Molinate	n/a	=	5.81	µg/L	EPA 525.2	0.039	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Molinate	n/a	=	116	%	EPA 525.2	-88	-88	82	117	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Molinate	n/a	=	5.91	µg/L	EPA 525.2	0.039	0.1			EUM
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Molinate	n/a	=	118	%	EPA 525.2	-88	-88	82	117	EUM
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Molinate	n/a	=	5.77	µg/L	EPA 525.2	0.039	0.1			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Molinate	n/a	=	115	%	EPA 525.2	-88	-88	82	117	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Molinate	n/a	=	5.91	µg/L	EPA 525.2	0.039	0.1			EUM
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Molinate	n/a	=	118	%	EPA 525.2	-88	-88	82	117	EUM
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Naled	n/a	=	0.0978	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Naled	n/a	=	196	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Naled	n/a	=	0.107	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Naled	n/a	=	215	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Naled	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Naled	n/a	=	0.0963	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Naled	n/a	=	193	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Naled	n/a	=	0.112	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Naled	n/a	=	224	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Naled	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Naled	n/a	=	0.111	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Naled	n/a	=	223	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Naled	n/a	=	0.122	µg/L	EPA 525.2m	0.0076	0.01			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Naled	n/a	=	244	%	EPA 525.2m	-88	-88	0.1	242	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Naled	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Naled	n/a	=	0.0203	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Naled	n/a	=	41	%	EPA 525.2m	-88	-88	0.1	240	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Naled	n/a	=	0.0596	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Naled	n/a	=	119	%	EPA 525.2m	-88	-88	0.1	240	
2014/15-2	000NONPJ	matrix spike	12/11/2014	Pesticide	Pentachlorophenol	n/a	=	25.4	µg/L	EPA 625	0.19	1			
2014/15-2	000NONPJ	matrix spike, rec	12/11/2014	Pesticide	Pentachlorophenol	n/a	=	102	%	EPA 625	-88	-88	14	176	
2014/15-2	000NONPJ	matrix spike dup	12/11/2014	Pesticide	Pentachlorophenol	n/a	=	24.8	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	000NONPJ	matrix spike dup, rec	12/11/2014	Pesticide	Pentachlorophenol	n/a	=	99	%	EPA 625	-88	-88	14	176	
2014/15-2	000NONPJ	matrix spike, RPD	12/11/2014	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Pentachlorophenol	n/a	=	3.89	µg/L	EPA 515.3	0.04	0.2			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Pentachlorophenol	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-2	Lab	method blank	12/11/2014	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-2	Lab	LCS	12/11/2014	Pesticide	Pentachlorophenol	n/a	=	17.1	µg/L	EPA 625	0.19	1			
2014/15-2	Lab	LCS, rec	12/11/2014	Pesticide	Pentachlorophenol	n/a	=	68	%	EPA 625	-88	-88	14	176	
2014/15-2	Lab	method blank	12/19/2014	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1			
2014/15-2	Lab	LCS	12/19/2014	Pesticide	Pentachlorophenol	n/a	=	10.2	µg/L	EPA 8270Cm	0.15	1			
2014/15-2	Lab	LCS, rec	12/19/2014	Pesticide	Pentachlorophenol	n/a	=	102	%	EPA 8270Cm	-88	-88	29	106	
2014/15-2	Lab	LCS dup	12/20/2014	Pesticide	Pentachlorophenol	n/a	=	9.56	µg/L	EPA 8270Cm	0.15	1			
2014/15-2	Lab	LCS dup, rec	12/20/2014	Pesticide	Pentachlorophenol	n/a	=	96	%	EPA 8270Cm	-88	-88	29	106	
2014/15-2	Lab	LCS, RPD	12/20/2014	Pesticide	Pentachlorophenol	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	Pentachlorophenol	n/a	=	3.37	µg/L	EPA 515.3	0.04	0.2			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	Pentachlorophenol	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	Pentachlorophenol	n/a	=	3.4	µg/L	EPA 515.3	0.04	0.2			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	Pentachlorophenol	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Phorate	n/a	=	0.0664	µg/L	EPA 525.2m	0.003	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Phorate	n/a	=	133	%	EPA 525.2m	-88	-88	31	181	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Phorate	n/a	=	0.0633	µg/L	EPA 525.2m	0.003	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Phorate	n/a	=	127	%	EPA 525.2m	-88	-88	31	181	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Phorate	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Phorate	n/a	=	0.0559	µg/L	EPA 525.2m	0.003	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Phorate	n/a	=	112	%	EPA 525.2m	-88	-88	31	181	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Phorate	n/a	=	0.0601	µg/L	EPA 525.2m	0.003	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Phorate	n/a	=	120	%	EPA 525.2m	-88	-88	31	181	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Phorate	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Phorate	n/a	=	0.0592	µg/L	EPA 525.2m	0.003	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Phorate	n/a	=	118	%	EPA 525.2m	-88	-88	31	181	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Phorate	n/a	=	0.0642	µg/L	EPA 525.2m	0.003	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Phorate	n/a	=	128	%	EPA 525.2m	-88	-88	31	181	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Phorate	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Phorate	n/a	=	0.0461	µg/L	EPA 525.2m	0.003	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Phorate	n/a	=	92	%	EPA 525.2m	-88	-88	26	180	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Phorate	n/a	=	0.0537	µg/L	EPA 525.2m	0.003	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Phorate	n/a	=	107	%	EPA 525.2m	-88	-88	26	180	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Picloram	n/a	=	3.72	µg/L	EPA 515.3	0.05	0.6			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Picloram	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike	12/5/2014	Pesticide	Picloram	n/a	=	3.75	µg/L	EPA 515.3	0.05	0.6			
2014/15-2	ME-VR2	matrix spike, rec	12/5/2014	Pesticide	Picloram	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2014/15-2	ME-VR2	matrix spike dup	12/6/2014	Pesticide	Picloram	n/a	=	4.1	µg/L	EPA 515.3	0.05	0.6			
2014/15-2	ME-VR2	matrix spike dup, rec	12/6/2014	Pesticide	Picloram	n/a	=	102	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	ME-VR2	matrix spike, RPD	12/6/2014	Pesticide	Picloram	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Prometon	n/a	=	2.01	µg/L	EPA 525.2	0.024	0.2			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Prometon	n/a	=	40	%	EPA 525.2	-88	-88	17	101	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Prometon	n/a	=	1.47	µg/L	EPA 525.2	0.024	0.2			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Prometon	n/a	=	29	%	EPA 525.2	-88	-88	17	101	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Prometon	n/a	=	31	%	EPA 525.2	-88	-88	0	30	IL
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Prometon	n/a	=	1.53	µg/L	EPA 525.2	0.024	0.2			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Prometon	n/a	=	31	%	EPA 525.2	-88	-88	17	101	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Prometon	n/a	=	0.68	µg/L	EPA 525.2	0.024	0.2			EUM
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Prometon	n/a	=	14	%	EPA 525.2	-88	-88	17	101	EUM
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Prometon	n/a	=	77	%	EPA 525.2	-88	-88	0	30	IL
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Prometryn	n/a	=	4.49	µg/L	EPA 525.2	0.036	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Prometryn	n/a	=	90	%	EPA 525.2	-88	-88	57	122	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Prometryn	n/a	=	4.26	µg/L	EPA 525.2	0.036	0.1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Prometryn	n/a	=	85	%	EPA 525.2	-88	-88	57	122	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Prometryn	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Prometryn	n/a	=	4.51	µg/L	EPA 525.2	0.036	0.1			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Prometryn	n/a	=	90	%	EPA 525.2	-88	-88	57	122	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Prometryn	n/a	=	3.43	µg/L	EPA 525.2	0.036	0.1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Prometryn	n/a	=	69	%	EPA 525.2	-88	-88	57	122	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Prometryn	n/a	=	27	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.068	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	136	%	EPA 525.2m	-88	-88	29	153	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0618	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	124	%	EPA 525.2m	-88	-88	29	153	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0627	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	125	%	EPA 525.2m	-88	-88	29	153	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0744	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	149	%	EPA 525.2m	-88	-88	29	153	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0625	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	125	%	EPA 525.2m	-88	-88	29	153	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0702	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	140	%	EPA 525.2m	-88	-88	29	153	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Ronnel (Fenclorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0455	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	91	%	EPA 525.2m	-88	-88	34	154	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0603	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	121	%	EPA 525.2m	-88	-88	34	154	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Simazine	n/a	=	5.38	µg/L	EPA 525.2	0.015	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Simazine	n/a	=	108	%	EPA 525.2	-88	-88	53	116	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Simazine	n/a	=	5.45	µg/L	EPA 525.2	0.015	0.1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Simazine	n/a	=	109	%	EPA 525.2	-88	-88	53	116	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Simazine	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Simazine	n/a	=	6.27	µg/L	EPA 525.2	0.015	0.1			EUM
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Simazine	n/a	=	125	%	EPA 525.2	-88	-88	53	116	EUM
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Simazine	n/a	=	5.49	µg/L	EPA 525.2	0.015	0.1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Simazine	n/a	=	110	%	EPA 525.2	-88	-88	53	116	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Simazine	n/a	=	13	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0787	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	151	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0823	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	158	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0634	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	127	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0667	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	133	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.108	µg/L	EPA 525.2m	0.0031	0.01			GB
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	215	%	EPA 525.2m	-88	-88	0.1	167	GB
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.132	µg/L	EPA 525.2m	0.0031	0.01			GB
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	264	%	EPA 525.2m	-88	-88	0.1	167	GB
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0365	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	73	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0477	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	95	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Terbacil	n/a	=	4.73	µg/L	EPA 525.2	0.55	2			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Terbacil	n/a	=	95	%	EPA 525.2	-88	-88	70	135	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Terbacil	n/a	=	5.3	µg/L	EPA 525.2	0.55	2			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Terbacil	n/a	=	106	%	EPA 525.2	-88	-88	70	135	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Terbacil	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Terbacil	n/a	=	5.53	µg/L	EPA 525.2	0.55	2			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Terbacil	n/a	=	111	%	EPA 525.2	-88	-88	70	135	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Terbacil	n/a	=	5.28	µg/L	EPA 525.2	0.55	2			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Terbacil	n/a	=	106	%	EPA 525.2	-88	-88	70	135	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Terbacil	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Thiobencarb	n/a	=	5.49	µg/L	EPA 525.2	0.025	0.2			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Thiobencarb	n/a	=	110	%	EPA 525.2	-88	-88	56	125	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Thiobencarb	n/a	=	5.63	µg/L	EPA 525.2	0.025	0.2			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Thiobencarb	n/a	=	113	%	EPA 525.2	-88	-88	56	125	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Thiobencarb	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Thiobencarb	n/a	=	6.25	µg/L	EPA 525.2	0.025	0.2			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Thiobencarb	n/a	=	125	%	EPA 525.2	-88	-88	56	125	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Thiobencarb	n/a	=	5.36	µg/L	EPA 525.2	0.025	0.2			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Thiobencarb	n/a	=	107	%	EPA 525.2	-88	-88	56	125	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Thiobencarb	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Tokuthion	n/a	=	0.0589	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Tokuthion	n/a	=	118	%	EPA 525.2m	-88	-88	27	160	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Tokuthion	n/a	=	0.0609	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Tokuthion	n/a	=	122	%	EPA 525.2m	-88	-88	27	160	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Tokuthion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Tokuthion	n/a	=	0.0427	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Tokuthion	n/a	=	85	%	EPA 525.2m	-88	-88	27	160	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Tokuthion	n/a	=	0.0427	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Tokuthion	n/a	=	85	%	EPA 525.2m	-88	-88	27	160	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Tokuthion	n/a	=	0.04	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Tokuthion	n/a	=	0.0661	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Tokuthion	n/a	=	132	%	EPA 525.2m	-88	-88	27	160	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Tokuthion	n/a	=	0.0722	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Tokuthion	n/a	=	144	%	EPA 525.2m	-88	-88	27	160	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Tokuthion	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Tokuthion	n/a	=	0.0459	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Tokuthion	n/a	=	92	%	EPA 525.2m	-88	-88	23	159	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Tokuthion	n/a	=	0.044	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Tokuthion	n/a	=	88	%	EPA 525.2m	-88	-88	23	159	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2014/15-2	Lab	method blank	12/16/2014	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2014/15-2	000NONPJ	matrix spike	12/5/2014	Pesticide	Trichloronate	n/a	=	0.0642	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/5/2014	Pesticide	Trichloronate	n/a	=	128	%	EPA 525.2m	-88	-88	40	150	
2014/15-2	000NONPJ	matrix spike dup	12/5/2014	Pesticide	Trichloronate	n/a	=	0.057	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/5/2014	Pesticide	Trichloronate	n/a	=	114	%	EPA 525.2m	-88	-88	40	150	
2014/15-2	000NONPJ	matrix spike, RPD	12/5/2014	Pesticide	Trichloronate	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Trichloronate	n/a	=	0.0578	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Trichloronate	n/a	=	116	%	EPA 525.2m	-88	-88	40	150	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Trichloronate	n/a	=	0.0679	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Trichloronate	n/a	=	136	%	EPA 525.2m	-88	-88	40	150	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Trichloronate	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2014/15-2	000NONPJ	matrix spike	12/9/2014	Pesticide	Trichloronate	n/a	=	0.0539	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	000NONPJ	matrix spike, rec	12/9/2014	Pesticide	Trichloronate	n/a	=	108	%	EPA 525.2m	-88	-88	40	150	
2014/15-2	000NONPJ	matrix spike dup	12/9/2014	Pesticide	Trichloronate	n/a	=	0.0613	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	000NONPJ	matrix spike dup, rec	12/9/2014	Pesticide	Trichloronate	n/a	=	123	%	EPA 525.2m	-88	-88	40	150	
2014/15-2	000NONPJ	matrix spike, RPD	12/9/2014	Pesticide	Trichloronate	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-2	Lab	method blank	12/5/2014	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	Lab	LCS	12/5/2014	Pesticide	Trichloronate	n/a	=	0.0468	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	Lab	LCS, rec	12/5/2014	Pesticide	Trichloronate	n/a	=	94	%	EPA 525.2m	-88	-88	34	153	
2014/15-2	Lab	method blank	12/9/2014	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	Lab	LCS	12/9/2014	Pesticide	Trichloronate	n/a	=	0.0611	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-2	Lab	LCS, rec	12/9/2014	Pesticide	Trichloronate	n/a	=	122	%	EPA 525.2m	-88	-88	34	153	
2014/15-2	Lab	method blank	12/15/2014	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-2	Lab	LCS	12/15/2014	Pesticide	Trithion	n/a	=	5.39	µg/L	EPA 525.2	0.012	0.1			
2014/15-2	Lab	LCS, rec	12/15/2014	Pesticide	Trithion	n/a	=	108	%	EPA 525.2	-88	-88	60	124	
2014/15-2	Lab	LCS dup	12/15/2014	Pesticide	Trithion	n/a	=	5.57	µg/L	EPA 525.2	0.012	0.1			
2014/15-2	Lab	LCS dup, rec	12/15/2014	Pesticide	Trithion	n/a	=	111	%	EPA 525.2	-88	-88	60	124	
2014/15-2	Lab	LCS, RPD	12/15/2014	Pesticide	Trithion	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-2	Lab	method blank	12/23/2014	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-2	Lab	LCS	12/23/2014	Pesticide	Trithion	n/a	=	5.99	µg/L	EPA 525.2	0.012	0.1			
2014/15-2	Lab	LCS, rec	12/23/2014	Pesticide	Trithion	n/a	=	120	%	EPA 525.2	-88	-88	60	124	
2014/15-2	Lab	LCS dup	12/24/2014	Pesticide	Trithion	n/a	=	5.41	µg/L	EPA 525.2	0.012	0.1			
2014/15-2	Lab	LCS dup, rec	12/24/2014	Pesticide	Trithion	n/a	=	108	%	EPA 525.2	-88	-88	60	124	
2014/15-2	Lab	LCS, RPD	12/24/2014	Pesticide	Trithion	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2014/15-3	Lab	method blank	12/13/2014	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2014/15-3	Lab	LCS	12/13/2014	Anion	Chloride	n/a	=	3.96	mg/L	EPA 300.0	0.1	0.5			
2014/15-3	Lab	LCS, rec	12/13/2014	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	90	110	
2014/15-3	MO-OXN	matrix spike	12/13/2014	Anion	Chloride	n/a	=	28.1	mg/L	EPA 300.0	0.5	2.5			
2014/15-3	MO-OXN	matrix spike, rec	12/13/2014	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	76	118	
2014/15-3	MO-OXN	matrix spike dup	12/13/2014	Anion	Chloride	n/a	=	28.2	mg/L	EPA 300.0	0.5	2.5			
2014/15-3	MO-OXN	matrix spike dup, rec	12/13/2014	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	76	118	
2014/15-3	MO-OXN	matrix spike, RPD	12/13/2014	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2014/15-3	MO-THO	matrix spike	12/13/2014	Anion	Chloride	n/a	=	73.6	mg/L	EPA 300.0	1	5			
2014/15-3	MO-THO	matrix spike, rec	12/13/2014	Anion	Chloride	n/a	=	94	%	EPA 300.0	-88	-88	76	118	
2014/15-3	MO-THO	matrix spike dup	12/13/2014	Anion	Chloride	n/a	=	73.6	mg/L	EPA 300.0	1	5			
2014/15-3	MO-THO	matrix spike dup, rec	12/13/2014	Anion	Chloride	n/a	=	95	%	EPA 300.0	-88	-88	76	118	
2014/15-3	MO-THO	matrix spike, RPD	12/13/2014	Anion	Chloride	n/a	=	0.06	%	EPA 300.0	-88	-88	0	20	
2014/15-3	Lab	method blank	12/13/2014	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2014/15-3	Lab	LCS	12/13/2014	Anion	Fluoride	n/a	=	2.16	mg/L	EPA 300.0	0.02	0.1			
2014/15-3	Lab	LCS, rec	12/13/2014	Anion	Fluoride	n/a	=	108	%	EPA 300.0	-88	-88	90	110	
2014/15-3	MO-OXN	matrix spike	12/13/2014	Anion	Fluoride	n/a	=	10.6	mg/L	EPA 300.0	0.1	0.5			
2014/15-3	MO-OXN	matrix spike, rec	12/13/2014	Anion	Fluoride	n/a	=	106	%	EPA 300.0	-88	-88	86	107	
2014/15-3	MO-OXN	matrix spike dup	12/13/2014	Anion	Fluoride	n/a	=	10.3	mg/L	EPA 300.0	0.1	0.5			
2014/15-3	MO-OXN	matrix spike dup, rec	12/13/2014	Anion	Fluoride	n/a	=	102	%	EPA 300.0	-88	-88	86	107	
2014/15-3	MO-OXN	matrix spike, RPD	12/13/2014	Anion	Fluoride	n/a	=	3	%	EPA 300.0	-88	-88	0	20	
2014/15-3	MO-THO	matrix spike	12/13/2014	Anion	Fluoride	n/a	=	21.6	mg/L	EPA 300.0	0.2	1			
2014/15-3	MO-THO	matrix spike, rec	12/13/2014	Anion	Fluoride	n/a	=	107	%	EPA 300.0	-88	-88	86	107	
2014/15-3	MO-THO	matrix spike dup	12/13/2014	Anion	Fluoride	n/a	=	20.8	mg/L	EPA 300.0	0.2	1			
2014/15-3	MO-THO	matrix spike dup, rec	12/13/2014	Anion	Fluoride	n/a	=	104	%	EPA 300.0	-88	-88	86	107	
2014/15-3	MO-THO	matrix spike, RPD	12/13/2014	Anion	Fluoride	n/a	=	3	%	EPA 300.0	-88	-88	0	20	
2014/15-3	000NONPJ	matrix spike	12/13/2014	Anion	Perchlorate	n/a	=	11.6	µg/L	EPA 314.0	0.95	2			
2014/15-3	000NONPJ	matrix spike, rec	12/13/2014	Anion	Perchlorate	n/a	=	116	%	EPA 314.0	-88	-88	80	120	
2014/15-3	000NONPJ	matrix spike dup	12/13/2014	Anion	Perchlorate	n/a	=	11.7	µg/L	EPA 314.0	0.95	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	000NONPJ	matrix spike dup, rec	12/13/2014	Anion	Perchlorate	n/a	=	117	%	EPA 314.0	-88	-88	80	120	
2014/15-3	000NONPJ	matrix spike, RPD	12/13/2014	Anion	Perchlorate	n/a	=	1	%	EPA 314.0	-88	-88	0	15	
2014/15-3	000NONPJ	matrix spike	12/16/2014	Anion	Perchlorate	n/a	=	15.8	µg/L	EPA 314.0	0.95	2			
2014/15-3	000NONPJ	matrix spike, rec	12/16/2014	Anion	Perchlorate	n/a	=	114	%	EPA 314.0	-88	-88	80	120	
2014/15-3	000NONPJ	matrix spike dup	12/16/2014	Anion	Perchlorate	n/a	=	15.8	µg/L	EPA 314.0	0.95	2			
2014/15-3	000NONPJ	matrix spike dup, rec	12/16/2014	Anion	Perchlorate	n/a	=	114	%	EPA 314.0	-88	-88	80	120	
2014/15-3	000NONPJ	matrix spike, RPD	12/16/2014	Anion	Perchlorate	n/a	=	0.2	%	EPA 314.0	-88	-88	0	15	
2014/15-3	Lab	method blank	12/13/2014	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-3	Lab	LCS	12/13/2014	Anion	Perchlorate	n/a	=	10.4	µg/L	EPA 314.0	0.95	2			
2014/15-3	Lab	LCS, rec	12/13/2014	Anion	Perchlorate	n/a	=	104	%	EPA 314.0	-88	-88	85	115	
2014/15-3	Lab	method blank	12/16/2014	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-3	Lab	LCS	12/16/2014	Anion	Perchlorate	n/a	=	9.69	µg/L	EPA 314.0	0.95	2			
2014/15-3	Lab	LCS, rec	12/16/2014	Anion	Perchlorate	n/a	=	97	%	EPA 314.0	-88	-88	85	115	
2014/15-3	Lab	method blank	12/24/2014	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2014/15-3	Lab	LCS	12/24/2014	Cation	Calcium	Total	=	49.3	mg/L	EPA 200.7	0.016	0.1			
2014/15-3	Lab	LCS, rec	12/24/2014	Cation	Calcium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2014/15-3	Lab	method blank	12/29/2014	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2014/15-3	Lab	LCS	12/29/2014	Cation	Calcium	Total	=	50.6	mg/L	EPA 200.7	0.016	0.1			
2014/15-3	Lab	LCS, rec	12/29/2014	Cation	Calcium	Total	=	101	%	EPA 200.7	-88	-88	85	115	
2014/15-3	ME-VR2	matrix spike	12/29/2014	Cation	Calcium	Total	=	189	mg/L	EPA 200.7	0.016	0.1			
2014/15-3	ME-VR2	matrix spike, rec	12/29/2014	Cation	Calcium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2014/15-3	ME-VR2	matrix spike dup	12/29/2014	Cation	Calcium	Total	=	193	mg/L	EPA 200.7	0.016	0.1			
2014/15-3	ME-VR2	matrix spike dup, rec	12/29/2014	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2014/15-3	ME-VR2	matrix spike, RPD	12/29/2014	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-3	MO-HUE	matrix spike	12/24/2014	Cation	Calcium	Total	=	89.4	mg/L	EPA 200.7	0.016	0.1			
2014/15-3	MO-HUE	matrix spike, rec	12/24/2014	Cation	Calcium	Total	=	96	%	EPA 200.7	-88	-88	70	130	
2014/15-3	MO-HUE	matrix spike dup	12/24/2014	Cation	Calcium	Total	=	89.9	mg/L	EPA 200.7	0.016	0.1			
2014/15-3	MO-HUE	matrix spike dup, rec	12/24/2014	Cation	Calcium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2014/15-3	MO-HUE	matrix spike, RPD	12/24/2014	Cation	Calcium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2014/15-3	MO-MEI	matrix spike	12/29/2014	Cation	Calcium	Total	=	65.6	mg/L	EPA 200.7	0.016	0.1			
2014/15-3	MO-MEI	matrix spike, rec	12/29/2014	Cation	Calcium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2014/15-3	MO-MEI	matrix spike dup	12/29/2014	Cation	Calcium	Total	=	65.7	mg/L	EPA 200.7	0.016	0.1			
2014/15-3	MO-MEI	matrix spike dup, rec	12/29/2014	Cation	Calcium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2014/15-3	MO-MEI	matrix spike, RPD	12/29/2014	Cation	Calcium	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2014/15-3	Lab	LCS	12/24/2014	Cation	Magnesium	Total	=	50.8	mg/L	EPA 200.7	0.012	0.1			
2014/15-3	Lab	LCS, rec	12/24/2014	Cation	Magnesium	Total	=	101	%	EPA 200.7	-88	-88	85	115	
2014/15-3	Lab	method blank	12/29/2014	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2014/15-3	Lab	LCS	12/29/2014	Cation	Magnesium	Total	=	46.9	mg/L	EPA 200.7	0.012	0.1			
2014/15-3	Lab	LCS, rec	12/29/2014	Cation	Magnesium	Total	=	93	%	EPA 200.7	-88	-88	85	115	
2014/15-3	ME-VR2	matrix spike	12/29/2014	Cation	Magnesium	Total	=	82.2	mg/L	EPA 200.7	0.012	0.1			
2014/15-3	ME-VR2	matrix spike, rec	12/29/2014	Cation	Magnesium	Total	=	87	%	EPA 200.7	-88	-88	70	130	
2014/15-3	ME-VR2	matrix spike dup	12/29/2014	Cation	Magnesium	Total	=	82.9	mg/L	EPA 200.7	0.012	0.1			
2014/15-3	ME-VR2	matrix spike dup, rec	12/29/2014	Cation	Magnesium	Total	=	89	%	EPA 200.7	-88	-88	70	130	
2014/15-3	ME-VR2	matrix spike, RPD	12/29/2014	Cation	Magnesium	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2014/15-3	MO-HUE	matrix spike	12/24/2014	Cation	Magnesium	Total	=	81.2	mg/L	EPA 200.7	0.012	0.1			
2014/15-3	MO-HUE	matrix spike, rec	12/24/2014	Cation	Magnesium	Total	=	97	%	EPA 200.7	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-HUE	matrix spike dup	12/24/2014	Cation	Magnesium	Total	=	82	mg/L	EPA 200.7	0.012	0.1			
2014/15-3	MO-HUE	matrix spike dup, rec	12/24/2014	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2014/15-3	MO-HUE	matrix spike, RPD	12/24/2014	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2014/15-3	MO-MEI	matrix spike	12/29/2014	Cation	Magnesium	Total	=	54.6	mg/L	EPA 200.7	0.012	0.1			
2014/15-3	MO-MEI	matrix spike, rec	12/29/2014	Cation	Magnesium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2014/15-3	MO-MEI	matrix spike dup	12/29/2014	Cation	Magnesium	Total	=	54.6	mg/L	EPA 200.7	0.012	0.1			
2014/15-3	MO-MEI	matrix spike dup, rec	12/29/2014	Cation	Magnesium	Total	=	92	%	EPA 200.7	-88	-88	70	130	
2014/15-3	MO-MEI	matrix spike, RPD	12/29/2014	Cation	Magnesium	Total	=	0.05	%	EPA 200.7	-88	-88	0	30	
2014/15-3	000NONPJ	lab duplicate	12/18/2014	Conventional	Alkalinity as CaCO3	n/a	=	165	mg/L	SM 2320 B	0.56	10		15	
2014/15-3	000NONPJ	lab duplicate	12/24/2014	Conventional	Alkalinity as CaCO3	n/a	=	191	mg/L	SM 2320 B	0.56	2		15	
2014/15-3	Lab	LCS	12/18/2014	Conventional	Alkalinity as CaCO3	n/a	=	260	mg/L	SM 2320 B	0.56	10			
2014/15-3	Lab	LCS, rec	12/18/2014	Conventional	Alkalinity as CaCO3	n/a	=	104	%	SM 2320 B	-88	-88	94	108	
2014/15-3	Lab	method blank	12/18/2014	Conventional	Alkalinity as CaCO3	n/a	DNQ	2.22	mg/L	SM 2320 B	0.56	10			
2014/15-3	Lab	LCS	12/23/2014	Conventional	Alkalinity as CaCO3	n/a	=	258	mg/L	SM 2320 B	0.56	10			
2014/15-3	Lab	LCS, rec	12/23/2014	Conventional	Alkalinity as CaCO3	n/a	=	103	%	SM 2320 B	-88	-88	94	108	
2014/15-3	Lab	method blank	12/23/2014	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.92	mg/L	SM 2320 B	0.56	10			
2014/15-3	Lab	LCS	12/24/2014	Conventional	Alkalinity as CaCO3	n/a	=	254	mg/L	SM 2320 B	0.56	2			
2014/15-3	Lab	LCS, rec	12/24/2014	Conventional	Alkalinity as CaCO3	n/a	=	102	%	SM 2320 B	-88	-88	94	108	
2014/15-3	Lab	method blank	12/24/2014	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.1	mg/L	SM 2320 B	0.56	2			
2014/15-3	ME-VR2	lab duplicate	12/23/2014	Conventional	Alkalinity as CaCO3	n/a	=	288	mg/L	SM 2320 B	0.56	10		15	
2014/15-3	000NONPJ	lab duplicate	12/18/2014	Conventional	BOD	n/a	=	21.9	mg/L	SM 5210 B	2	2	0	20	
2014/15-3	Lab	LCS	12/18/2014	Conventional	BOD	n/a	=	180	mg/L	SM 5210 B	2	2			
2014/15-3	Lab	LCS, rec	12/18/2014	Conventional	BOD	n/a	=	94	%	SM 5210 B	-88	-88	85	115	
2014/15-3	Lab	LCS, rec	12/18/2014	Conventional	BOD	n/a	=	91	%	SM 5210 B	-88	-88	85	115	
2014/15-3	MO-OXN	lab duplicate	12/18/2014	Conventional	BOD	n/a	=	8.02	mg/L	SM 5210 B	2	2	0	20	
2014/15-3	Lab	LCS	12/19/2014	Conventional	COD	n/a	=	93.6	mg/L	EPA 410.4	0.73	5			
2014/15-3	Lab	LCS, rec	12/19/2014	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2014/15-3	Lab	method blank	12/19/2014	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2014/15-3	ME-CC	matrix spike	12/19/2014	Conventional	COD	n/a	=	2360	mg/L	EPA 410.4	1.5	10			
2014/15-3	ME-CC	matrix spike dup	12/19/2014	Conventional	COD	n/a	=	2430	mg/L	EPA 410.4	1.5	10			
2014/15-3	ME-CC	matrix spike dup, rec	12/19/2014	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	
2014/15-3	ME-CC	matrix spike, rec	12/19/2014	Conventional	COD	n/a	=	99	%	EPA 410.4	-88	-88	90	110	
2014/15-3	ME-CC	matrix spike, RPD	12/19/2014	Conventional	COD	n/a	=	3	%	EPA 410.4	-88	-88	0	15	
2014/15-3	ME-SCR	lab duplicate	12/19/2014	Conventional	COD	n/a	=	1850	mg/L	EPA 410.4	1.5	10	0	15	
2014/15-3	ME-VR2	matrix spike	12/19/2014	Conventional	COD	n/a	=	232	mg/L	EPA 410.4	1.5	10			
2014/15-3	ME-VR2	matrix spike dup	12/19/2014	Conventional	COD	n/a	=	233	mg/L	EPA 410.4	1.5	10			
2014/15-3	ME-VR2	matrix spike dup, rec	12/19/2014	Conventional	COD	n/a	=	106	%	EPA 410.4	-88	-88	90	110	
2014/15-3	ME-VR2	matrix spike, rec	12/19/2014	Conventional	COD	n/a	=	105	%	EPA 410.4	-88	-88	90	110	
2014/15-3	ME-VR2	matrix spike, RPD	12/19/2014	Conventional	COD	n/a	=	0.08	%	EPA 410.4	-88	-88	0	15	
2014/15-3	000NONPJ	matrix spike	12/19/2014	Conventional	Cyanide	Total	=	0.0512	mg/L	ASTM D7511	0.0005	0.002			
2014/15-3	000NONPJ	matrix spike dup	12/19/2014	Conventional	Cyanide	Total	=	0.0512	mg/L	ASTM D7511	0.0005	0.002			
2014/15-3	000NONPJ	matrix spike dup, rec	12/19/2014	Conventional	Cyanide	Total	=	92	%	ASTM D7511	-88	-88	64	136	
2014/15-3	000NONPJ	matrix spike, rec	12/19/2014	Conventional	Cyanide	Total	=	91	%	ASTM D7511	-88	-88	64	136	
2014/15-3	000NONPJ	matrix spike, RPD	12/19/2014	Conventional	Cyanide	Total	=	0.07	%	ASTM D7511	-88	-88	0	47	
2014/15-3	000NONPJ	matrix spike	12/24/2014	Conventional	Cyanide	Total	=	0.0447	mg/L	ASTM D7511	0.0005	0.002			
2014/15-3	000NONPJ	matrix spike dup	12/24/2014	Conventional	Cyanide	Total	=	0.0431	mg/L	ASTM D7511	0.0005	0.002			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	000NONPJ	matrix spike dup, rec	12/24/2014	Conventional	Cyanide	Total	=	86	%	ASTM D7511	-88	-88	64	136	
2014/15-3	000NONPJ	matrix spike, rec	12/24/2014	Conventional	Cyanide	Total	=	89	%	ASTM D7511	-88	-88	64	136	
2014/15-3	000NONPJ	matrix spike, RPD	12/24/2014	Conventional	Cyanide	Total	=	4	%	ASTM D7511	-88	-88	0	47	
2014/15-3	Lab	LCS	12/19/2014	Conventional	Cyanide	Total	=	0.0452	mg/L	ASTM D7511	0.0005	0.002			
2014/15-3	Lab	LCS, rec	12/19/2014	Conventional	Cyanide	Total	=	90	%	ASTM D7511	-88	-88	84	116	
2014/15-3	Lab	method blank	12/19/2014	Conventional	Cyanide	Total	DNQ	0.0008	mg/L	ASTM D7511	0.0005	0.002			IP
2014/15-3	Lab	LCS	12/24/2014	Conventional	Cyanide	Total	=	0.0473	mg/L	ASTM D7511	0.0005	0.002			
2014/15-3	Lab	LCS, rec	12/24/2014	Conventional	Cyanide	Total	=	95	%	ASTM D7511	-88	-88	84	116	
2014/15-3	Lab	method blank	12/24/2014	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2014/15-3	MO-CAM	matrix spike	12/24/2014	Conventional	Cyanide	Total	=	0.0527	mg/L	ASTM D7511	0.0005	0.002			
2014/15-3	MO-CAM	matrix spike dup	12/24/2014	Conventional	Cyanide	Total	=	0.0532	mg/L	ASTM D7511	0.0005	0.002			
2014/15-3	MO-CAM	matrix spike dup, rec	12/24/2014	Conventional	Cyanide	Total	=	100	%	ASTM D7511	-88	-88	64	136	
2014/15-3	MO-CAM	matrix spike, rec	12/24/2014	Conventional	Cyanide	Total	=	100	%	ASTM D7511	-88	-88	64	136	
2014/15-3	MO-CAM	matrix spike, RPD	12/24/2014	Conventional	Cyanide	Total	=	0.9	%	ASTM D7511	-88	-88	0	47	
2014/15-3	000NONPJ	matrix spike	12/12/2014	Conventional	MBAS	n/a	=	0.219	mg/L	SM 5540 C	0.019	0.05			
2014/15-3	000NONPJ	matrix spike dup	12/12/2014	Conventional	MBAS	n/a	=	0.221	mg/L	SM 5540 C	0.019	0.05			
2014/15-3	000NONPJ	matrix spike dup, rec	12/12/2014	Conventional	MBAS	n/a	=	100	%	SM 5540 C	-88	-88	74	123	
2014/15-3	000NONPJ	matrix spike, rec	12/12/2014	Conventional	MBAS	n/a	=	99	%	SM 5540 C	-88	-88	74	123	
2014/15-3	000NONPJ	matrix spike, RPD	12/12/2014	Conventional	MBAS	n/a	=	0.9	%	SM 5540 C	-88	-88	0	20	
2014/15-3	Lab	LCS	12/12/2014	Conventional	MBAS	n/a	=	0.218	mg/L	SM 5540 C	0.019	0.05			
2014/15-3	Lab	LCS, rec	12/12/2014	Conventional	MBAS	n/a	=	109	%	SM 5540 C	-88	-88	82	115	
2014/15-3	Lab	method blank	12/12/2014	Conventional	MBAS	n/a	DNQ	0.0202	mg/L	SM 5540 C	0.019	0.05			
2014/15-3	Lab	LCS	12/29/2014	Conventional	Phenolics	n/a	=	0.105	mg/L	EPA 420.4	0.0042	0.01			
2014/15-3	Lab	LCS, rec	12/29/2014	Conventional	Phenolics	n/a	=	105	%	EPA 420.4	-88	-88	90	110	
2014/15-3	Lab	method blank	12/29/2014	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2014/15-3	MO-HUE	matrix spike	12/29/2014	Conventional	Phenolics	n/a	=	0.29	mg/L	EPA 420.4	0.0042	0.01			
2014/15-3	MO-HUE	matrix spike, rec	12/29/2014	Conventional	Phenolics	n/a	=	96	%	EPA 420.4	-88	-88	90	110	
2014/15-3	MO-HUE	matrix spike dup	12/29/2014	Conventional	Phenolics	n/a	=	0.285	mg/L	EPA 420.4	0.0042	0.01			
2014/15-3	MO-HUE	matrix spike dup, rec	12/29/2014	Conventional	Phenolics	n/a	=	94	%	EPA 420.4	-88	-88	90	110	
2014/15-3	MO-HUE	matrix spike, RPD	12/29/2014	Conventional	Phenolics	n/a	=	2	%	EPA 420.4	-88	-88	0	20	
2014/15-3	MO-SIM	matrix spike	12/29/2014	Conventional	Phenolics	n/a	=	0.277	mg/L	EPA 420.4	0.0042	0.01			
2014/15-3	MO-SIM	matrix spike, rec	12/29/2014	Conventional	Phenolics	n/a	=	108	%	EPA 420.4	-88	-88	90	110	
2014/15-3	MO-SIM	matrix spike dup	12/29/2014	Conventional	Phenolics	n/a	=	0.282	mg/L	EPA 420.4	0.0042	0.01			
2014/15-3	MO-SIM	matrix spike dup, rec	12/29/2014	Conventional	Phenolics	n/a	=	110	%	EPA 420.4	-88	-88	90	110	
2014/15-3	MO-SIM	matrix spike, RPD	12/29/2014	Conventional	Phenolics	n/a	=	2	%	EPA 420.4	-88	-88	0	20	
2014/15-3	000NONPJ	lab duplicate	12/26/2014	Conventional	Specific Conductance	n/a	=	42.5	µmhos/cm	SM 2510 B	0.23	2		4.28	
2014/15-3	Lab	LCS	12/26/2014	Conventional	Specific Conductance	n/a	=	194	µmhos/cm	SM 2510 B	0.23	2			
2014/15-3	Lab	LCS, rec	12/26/2014	Conventional	Specific Conductance	n/a	=	97	%	SM 2510 B	-88	-88	95	105	
2014/15-3	Lab	method blank	12/26/2014	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2014/15-3	Lab	LCS	12/27/2014	Conventional	Specific Conductance	n/a	=	193	µmhos/cm	SM 2510 B	0.23	2			
2014/15-3	Lab	LCS, rec	12/27/2014	Conventional	Specific Conductance	n/a	=	97	%	SM 2510 B	-88	-88	95	105	
2014/15-3	Lab	method blank	12/27/2014	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2014/15-3	MO-SIM	lab duplicate	12/27/2014	Conventional	Specific Conductance	n/a	=	206	µmhos/cm	SM 2510 B	0.23	2		4.28	
2014/15-3	000NONPJ	matrix spike	12/12/2014	Conventional	Total Chlorine Residual	n/a	=	0.226	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-3	000NONPJ	matrix spike dup	12/12/2014	Conventional	Total Chlorine Residual	n/a	=	0.232	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-3	000NONPJ	matrix spike dup, rec	12/12/2014	Conventional	Total Chlorine Residual	n/a	=	113	%	SM 4500-Cl G	-88	-88	78	114	
2014/15-3	000NONPJ	matrix spike, rec	12/12/2014	Conventional	Total Chlorine Residual	n/a	=	110	%	SM 4500-Cl G	-88	-88	78	114	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	000NONPJ	matrix spike, RPD	12/12/2014	Conventional	Total Chlorine Residual	n/a	=	3	%	SM 4500-Cl G	-88	-88	0	15	
2014/15-3	Lab	LCS	12/12/2014	Conventional	Total Chlorine Residual	n/a	=	0.182	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-3	Lab	LCS, rec	12/12/2014	Conventional	Total Chlorine Residual	n/a	=	91	%	SM 4500-Cl G	-88	-88	85	110	
2014/15-3	Lab	method blank	12/12/2014	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-3	000NONPJ	lab duplicate	12/17/2014	Conventional	Total Dissolved Solids	n/a	=	1700	mg/L	SM 2540 C	4	10	0	15	
2014/15-3	000NONPJ	lab duplicate	12/18/2014	Conventional	Total Dissolved Solids	n/a	=	6760	mg/L	SM 2540 C	4	10	0	15	
2014/15-3	000NONPJ	lab duplicate	12/18/2014	Conventional	Total Dissolved Solids	n/a	=	80	mg/L	SM 2540 C	4	10	0	10	
2014/15-3	Lab	LCS	12/17/2014	Conventional	Total Dissolved Solids	n/a	=	823	mg/L	SM 2540 C	4	10			
2014/15-3	Lab	LCS, rec	12/17/2014	Conventional	Total Dissolved Solids	n/a	=	100	%	SM 2540 C	-88	-88	96	102	
2014/15-3	Lab	method blank	12/17/2014	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2014/15-3	Lab	LCS	12/18/2014	Conventional	Total Dissolved Solids	n/a	=	831	mg/L	SM 2540 C	4	10			
2014/15-3	Lab	LCS, rec	12/18/2014	Conventional	Total Dissolved Solids	n/a	=	101	%	SM 2540 C	-88	-88	96	102	
2014/15-3	Lab	method blank	12/18/2014	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2014/15-3	ME-SCR	lab duplicate	12/17/2014	Conventional	Total Dissolved Solids	n/a	=	1780	mg/L	SM 2540 C	4	10	0	10	
2014/15-3	000NONPJ	matrix spike	12/20/2014	Conventional	Total Organic Carbon	n/a	=	6.48	mg/L	SM 5310 C	0.009	0.3			
2014/15-3	000NONPJ	matrix spike dup	12/20/2014	Conventional	Total Organic Carbon	n/a	=	6.38	mg/L	SM 5310 C	0.009	0.3			
2014/15-3	000NONPJ	matrix spike dup, rec	12/20/2014	Conventional	Total Organic Carbon	n/a	=	100	%	SM 5310 C	-88	-88	80	116	
2014/15-3	000NONPJ	matrix spike, rec	12/20/2014	Conventional	Total Organic Carbon	n/a	=	102	%	SM 5310 C	-88	-88	80	116	
2014/15-3	000NONPJ	matrix spike, RPD	12/20/2014	Conventional	Total Organic Carbon	n/a	=	2	%	SM 5310 C	-88	-88	0	20	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Conventional	Total Organic Carbon	n/a	=	5.58	mg/L	SM 5310 C	0.009	0.3			
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Conventional	Total Organic Carbon	n/a	=	5.64	mg/L	SM 5310 C	0.009	0.3			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Conventional	Total Organic Carbon	n/a	=	113	%	SM 5310 C	-88	-88	80	116	
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Conventional	Total Organic Carbon	n/a	=	112	%	SM 5310 C	-88	-88	80	116	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Conventional	Total Organic Carbon	n/a	=	1	%	SM 5310 C	-88	-88	0	20	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Conventional	Total Organic Carbon	n/a	=	6.08	mg/L	SM 5310 C	0.009	0.3			
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Conventional	Total Organic Carbon	n/a	=	6.02	mg/L	SM 5310 C	0.009	0.3			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 C	-88	-88	80	116	
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Conventional	Total Organic Carbon	n/a	=	98	%	SM 5310 C	-88	-88	80	116	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Conventional	Total Organic Carbon	n/a	=	1	%	SM 5310 C	-88	-88	0	20	
2014/15-3	Lab	LCS	12/20/2014	Conventional	Total Organic Carbon	n/a	=	4.94	mg/L	SM 5310 C	0.009	0.3			
2014/15-3	Lab	LCS, rec	12/20/2014	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 C	-88	-88	85	115	
2014/15-3	Lab	method blank	12/20/2014	Conventional	Total Organic Carbon	n/a	DNQ	0.0418	mg/L	SM 5310 C	0.009	0.3			
2014/15-3	Lab	LCS	12/22/2014	Conventional	Total Organic Carbon	n/a	=	4.9	mg/L	SM 5310 C	0.009	0.3			
2014/15-3	Lab	LCS, rec	12/22/2014	Conventional	Total Organic Carbon	n/a	=	98	%	SM 5310 C	-88	-88	85	115	
2014/15-3	Lab	method blank	12/22/2014	Conventional	Total Organic Carbon	n/a	DNQ	0.0498	mg/L	SM 5310 C	0.009	0.3			
2014/15-3	Lab	LCS	12/22/2014	Conventional	Total Organic Carbon	n/a	=	4.82	mg/L	SM 5310 C	0.009	0.3			
2014/15-3	Lab	LCS, rec	12/22/2014	Conventional	Total Organic Carbon	n/a	=	96	%	SM 5310 C	-88	-88	85	115	
2014/15-3	Lab	method blank	12/22/2014	Conventional	Total Organic Carbon	n/a	DNQ	0.028	mg/L	SM 5310 C	0.009	0.3			
2014/15-3	000NONPJ	lab duplicate	12/15/2014	Conventional	Total Suspended Solids	n/a	DNQ	2	mg/L	SM 2540 D	-88	5	0	20	
2014/15-3	000NONPJ	lab duplicate	12/17/2014	Conventional	Total Suspended Solids	n/a	DNQ	1	mg/L	SM 2540 D	-88	5	0	20	
2014/15-3	Lab	method blank	12/15/2014	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2014/15-3	Lab	method blank	12/17/2014	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2014/15-3	Lab	method blank	12/18/2014	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2014/15-3	ME-VR2	lab duplicate	12/18/2014	Conventional	Total Suspended Solids	n/a	=	15	mg/L	SM 2540 D	-88	5	0	20	
2014/15-3	MO-OXN	lab duplicate	12/18/2014	Conventional	Total Suspended Solids	n/a	=	348	mg/L	SM 2540 D	-88	5	0	20	
2014/15-3	MO-SPA	lab duplicate	12/17/2014	Conventional	Total Suspended Solids	n/a	=	348	mg/L	SM 2540 D	-88	5	0	20	
2014/15-3	MO-THO	lab duplicate	12/15/2014	Conventional	Total Suspended Solids	n/a	=	836	mg/L	SM 2540 D	-88	5	0	20	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	000NONPJ	lab duplicate	12/12/2014	Conventional	Turbidity	n/a	=	0.11	NTU	EPA 180.1	0.024	0.1		10	
2014/15-3	Lab	LCS	12/12/2014	Conventional	Turbidity	n/a	=	10.1	NTU	EPA 180.1	0.024	0.1			
2014/15-3	Lab	LCS, rec	12/12/2014	Conventional	Turbidity	n/a	=	101	%	EPA 180.1	-88	-88	90	110	
2014/15-3	Lab	method blank	12/12/2014	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2014/15-3	Lab	LCS	12/13/2014	Conventional	Turbidity	n/a	=	9.89	NTU	EPA 180.1	0.024	0.1			
2014/15-3	Lab	LCS, rec	12/13/2014	Conventional	Turbidity	n/a	=	99	%	EPA 180.1	-88	-88	90	110	
2014/15-3	Lab	method blank	12/13/2014	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2014/15-3	MO-OXN	lab duplicate	12/13/2014	Conventional	Turbidity	n/a	=	36.4	NTU	EPA 180.1	0.024	0.1		10	
2014/15-3	Lab	method blank	12/16/2014	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2014/15-3	Lab	method blank	12/17/2014	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2014/15-3	Lab	method blank	12/18/2014	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2014/15-3	ME-VR2	lab duplicate	12/18/2014	Conventional	Volatile Suspended Solids	n/a	DNQ	4	mg/L	EPA 160.4	3.1	5		15	
2014/15-3	MO-OXN	lab duplicate	12/18/2014	Conventional	Volatile Suspended Solids	n/a	=	53	mg/L	EPA 160.4	3.1	5		15	
2014/15-3	MO-SPA	lab duplicate	12/17/2014	Conventional	Volatile Suspended Solids	n/a	=	48	mg/L	EPA 160.4	3.1	5		15	
2014/15-3	MO-THO	lab duplicate	12/16/2014	Conventional	Volatile Suspended Solids	n/a	=	100	mg/L	EPA 160.4	3.1	5		15	
2014/15-3	Lab	method blank	12/18/2014	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1			
2014/15-3	Lab	LCS	12/18/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.401	mg/L	EPA 8015B	0.024	0.1			
2014/15-3	Lab	LCS, rec	12/18/2014	Hydrocarbon	Diesel Range Organics	n/a	=	80	%	EPA 8015B	-88	-88	56	136	
2014/15-3	Lab	LCS dup	12/18/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.334	mg/L	EPA 8015B	0.024	0.1			
2014/15-3	Lab	LCS dup, rec	12/18/2014	Hydrocarbon	Diesel Range Organics	n/a	=	67	%	EPA 8015B	-88	-88	56	136	
2014/15-3	Lab	LCS, RPD	12/18/2014	Hydrocarbon	Diesel Range Organics	n/a	=	18	%	EPA 8015B	-88	-88	0	25	
2014/15-3	Lab	method blank	12/23/2014	Hydrocarbon	Diesel Range Organics	n/a	DNQ	0.0294	mg/L	EPA 8015B	0.024	0.1			
2014/15-3	Lab	LCS	12/23/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.437	mg/L	EPA 8015B	0.024	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Hydrocarbon	Diesel Range Organics	n/a	=	87	%	EPA 8015B	-88	-88	56	136	
2014/15-3	Lab	LCS dup	12/23/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.45	mg/L	EPA 8015B	0.024	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Hydrocarbon	Diesel Range Organics	n/a	=	90	%	EPA 8015B	-88	-88	56	136	
2014/15-3	Lab	LCS, RPD	12/23/2014	Hydrocarbon	Diesel Range Organics	n/a	=	3	%	EPA 8015B	-88	-88	0	25	
2014/15-3	Lab	method blank	12/24/2014	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1			
2014/15-3	Lab	method blank	12/26/2014	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1			
2014/15-3	Lab	LCS	12/26/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.447	mg/L	EPA 8015B	0.024	0.1			
2014/15-3	Lab	LCS, rec	12/26/2014	Hydrocarbon	Diesel Range Organics	n/a	=	89	%	EPA 8015B	-88	-88	56	136	
2014/15-3	Lab	LCS dup	12/26/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.447	mg/L	EPA 8015B	0.024	0.1			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Hydrocarbon	Diesel Range Organics	n/a	=	89	%	EPA 8015B	-88	-88	56	136	
2014/15-3	Lab	LCS, RPD	12/26/2014	Hydrocarbon	Diesel Range Organics	n/a	=	0.05	%	EPA 8015B	-88	-88	0	25	
2014/15-3	Lab	method blank	12/16/2014	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-3	Lab	LCS	12/16/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1.15	mg/L	EPA 8015B	0.044	0.1			
2014/15-3	Lab	LCS, rec	12/16/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	115	%	EPA 8015B	-88	-88	75	123	
2014/15-3	Lab	LCS dup	12/16/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1.13	mg/L	EPA 8015B	0.044	0.1			
2014/15-3	Lab	LCS dup, rec	12/16/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	113	%	EPA 8015B	-88	-88	75	123	
2014/15-3	Lab	LCS, RPD	12/16/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	2	%	EPA 8015B	-88	-88	0	25	
2014/15-3	Lab	method blank	12/17/2014	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-3	Lab	LCS	12/17/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1.13	mg/L	EPA 8015B	0.044	0.1			
2014/15-3	Lab	LCS, rec	12/17/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	113	%	EPA 8015B	-88	-88	75	123	
2014/15-3	Lab	LCS dup	12/17/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	1.15	mg/L	EPA 8015B	0.044	0.1			
2014/15-3	Lab	LCS dup, rec	12/17/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	115	%	EPA 8015B	-88	-88	75	123	
2014/15-3	Lab	LCS, RPD	12/17/2014	Hydrocarbon	Gasoline Range Organics	n/a	=	2	%	EPA 8015B	-88	-88	0	25	
2014/15-3	Lab	srgt method blank	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.286	mg/L	EPA 8015B	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	srgt method blank, rec	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	114	%	EPA 8015B	-88	-88	64	155	
2014/15-3	Lab	srgt LCS	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.287	mg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	115	%	EPA 8015B	-88	-88	64	155	
2014/15-3	Lab	srgt LCS dup	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.296	mg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	119	%	EPA 8015B	-88	-88	64	155	
2014/15-3	Lab	srgt method blank	12/23/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.275	mg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/23/2014	Hydrocarbon	n-Tetracosane	n/a	=	110	%	EPA 8015B	-88	-88	64	155	
2014/15-3	Lab	srgt LCS	12/23/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.288	mg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/23/2014	Hydrocarbon	n-Tetracosane	n/a	=	115	%	EPA 8015B	-88	-88	64	155	
2014/15-3	Lab	srgt LCS dup	12/23/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.315	mg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/23/2014	Hydrocarbon	n-Tetracosane	n/a	=	126	%	EPA 8015B	-88	-88	64	155	
2014/15-3	Lab	srgt method blank	12/24/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.263	mg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/24/2014	Hydrocarbon	n-Tetracosane	n/a	=	105	%	EPA 8015B	-88	-88	64	155	
2014/15-3	Lab	srgt method blank	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.296	mg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	118	%	EPA 8015B	-88	-88	64	155	
2014/15-3	Lab	srgt LCS	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.305	mg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	122	%	EPA 8015B	-88	-88	64	155	
2014/15-3	Lab	srgt LCS dup	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.288	mg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	115	%	EPA 8015B	-88	-88	64	155	
2014/15-3	ME-CC	srgt environ	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.315	mg/L	EPA 8015B	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	126	%	EPA 8015B	-88	-88	64	155	
2014/15-3	ME-SCR	srgt environ	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.292	mg/L	EPA 8015B	-88	-88			
2014/15-3	ME-SCR	srgt environ, rec	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	117	%	EPA 8015B	-88	-88	64	155	
2014/15-3	ME-VR2	srgt environ	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.303	mg/L	EPA 8015B	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	121	%	EPA 8015B	-88	-88	64	155	
2014/15-3	MO-CAM	srgt environ	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.293	mg/L	EPA 8015B	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	117	%	EPA 8015B	-88	-88	64	155	
2014/15-3	MO-FIL	srgt environ	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.27	mg/L	EPA 8015B	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	108	%	EPA 8015B	-88	-88	64	155	
2014/15-3	MO-HUE	srgt environ	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.308	mg/L	EPA 8015B	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	123	%	EPA 8015B	-88	-88	64	155	
2014/15-3	MO-MEI	srgt environ	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.255	mg/L	EPA 8015B	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	102	%	EPA 8015B	-88	-88	64	155	
2014/15-3	MO-MPK	srgt environ	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.312	mg/L	EPA 8015B	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	125	%	EPA 8015B	-88	-88	64	155	
2014/15-3	MO-OJA	srgt environ	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.293	mg/L	EPA 8015B	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	117	%	EPA 8015B	-88	-88	64	155	
2014/15-3	MO-OXN	srgt environ	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.317	mg/L	EPA 8015B	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	127	%	EPA 8015B	-88	-88	64	155	
2014/15-3	MO-SIM	srgt environ	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.313	mg/L	EPA 8015B	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	125	%	EPA 8015B	-88	-88	64	155	
2014/15-3	MO-SPA	srgt environ	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.306	mg/L	EPA 8015B	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	122	%	EPA 8015B	-88	-88	64	155	
2014/15-3	MO-THO	srgt environ	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.304	mg/L	EPA 8015B	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/26/2014	Hydrocarbon	n-Tetracosane	n/a	=	122	%	EPA 8015B	-88	-88	64	155	
2014/15-3	MO-VEN	srgt environ	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	0.31	mg/L	EPA 8015B	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/18/2014	Hydrocarbon	n-Tetracosane	n/a	=	124	%	EPA 8015B	-88	-88	64	155	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS	12/26/2014	Hydrocarbon	Oil and Grease	n/a	DNQ	4.5	mg/L	EPA 1664A	1.3	5			
2014/15-3	Lab	LCS	12/26/2014	Hydrocarbon	Oil and Grease	n/a	=	18.2	mg/L	EPA 1664A	1.3	5			
2014/15-3	Lab	LCS dup	12/26/2014	Hydrocarbon	Oil and Grease	n/a	=	19.5	mg/L	EPA 1664A	1.3	5			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2014/15-3	Lab	LCS, rec	12/26/2014	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2014/15-3	Lab	LCS, rec	12/26/2014	Hydrocarbon	Oil and Grease	n/a	=	91	%	EPA 1664A	-88	-88	78	114	
2014/15-3	Lab	LCS, RPD	12/26/2014	Hydrocarbon	Oil and Grease	n/a	=	7	%	EPA 1664A	-88	-88	0	18	
2014/15-3	Lab	method blank	12/26/2014	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2014/15-3	ME-VR2	matrix spike	12/26/2014	Hydrocarbon	Oil and Grease	n/a	=	22.1	mg/L	EPA 1664A	1.3	5			
2014/15-3	ME-VR2	matrix spike, rec	12/26/2014	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2014/15-3	Lab	method blank	12/18/2014	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2014/15-3	Lab	method blank	12/23/2014	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2014/15-3	Lab	method blank	12/24/2014	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2014/15-3	Lab	method blank	12/26/2014	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2014/15-3	Lab	method blank	1/6/2015	Metal	Aluminum	Dissolved	<	2.1	µg/L	EPA 200.8	2.1	5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Aluminum	Dissolved	=	50.2	µg/L	EPA 200.8	2.1	5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Aluminum	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Aluminum	Dissolved	<	2.1	µg/L	EPA 200.8	2.1	5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Aluminum	Dissolved	=	52.2	µg/L	EPA 200.8	2.1	5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Aluminum	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Aluminum	Total	DNQ	2.22	µg/L	EPA 200.8	2.1	5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Aluminum	Total	=	50.2	µg/L	EPA 200.8	2.1	5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Aluminum	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Aluminum	Total	<	2.1	µg/L	EPA 200.8	2.1	5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Aluminum	Total	=	52.2	µg/L	EPA 200.8	2.1	5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Aluminum	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Aluminum	Total	=	7720	µg/L	EPA 200.8	2.1	5			GB
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Aluminum	Total	=	3070	%	EPA 200.8	-88	-88	70	130	GB
2014/15-3	MO-FIL	matrix spike dup	1/7/2015	Metal	Aluminum	Total	=	7100	µg/L	EPA 200.8	2.1	5			GB
2014/15-3	MO-FIL	matrix spike dup, rec	1/7/2015	Metal	Aluminum	Total	=	1830	%	EPA 200.8	-88	-88	70	130	GB
2014/15-3	MO-FIL	matrix spike, RPD	1/7/2015	Metal	Aluminum	Total	=	8	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/6/2015	Metal	Aluminum	Total	=	6670	µg/L	EPA 200.8	2.1	5			GB
2014/15-3	MO-OXN	matrix spike, rec	1/6/2015	Metal	Aluminum	Total	=	788	%	EPA 200.8	-88	-88	70	130	GB
2014/15-3	MO-OXN	matrix spike dup	1/6/2015	Metal	Aluminum	Total	=	6760	µg/L	EPA 200.8	2.1	5			GB
2014/15-3	MO-OXN	matrix spike dup, rec	1/6/2015	Metal	Aluminum	Total	=	974	%	EPA 200.8	-88	-88	70	130	GB
2014/15-3	MO-OXN	matrix spike, RPD	1/6/2015	Metal	Aluminum	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Aluminum	Total	=	7400	µg/L	EPA 200.8	2.1	5			GB
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Aluminum	Total	=	1190	%	EPA 200.8	-88	-88	70	130	GB
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Aluminum	Total	=	7280	µg/L	EPA 200.8	2.1	5			GB
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Aluminum	Total	=	942	%	EPA 200.8	-88	-88	70	130	GB
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-3	Lab	method blank	1/6/2015	Metal	Antimony	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Antimony	Dissolved	=	45.4	µg/L	EPA 200.8	0.034	0.5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Antimony	Dissolved	=	91	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Antimony	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Antimony	Dissolved	=	47.8	µg/L	EPA 200.8	0.034	0.5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Antimony	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	method blank	1/6/2015	Metal	Antimony	Total	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Antimony	Total	=	45.4	µg/L	EPA 200.8	0.034	0.5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Antimony	Total	=	91	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Antimony	Total	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Antimony	Total	=	47.8	µg/L	EPA 200.8	0.034	0.5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Antimony	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Antimony	Total	=	32.2	µg/L	EPA 200.8	0.034	0.5			GB
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Antimony	Total	=	60	%	EPA 200.8	-88	-88	70	130	GB
2014/15-3	MO-FIL	matrix spike dup	1/7/2015	Metal	Antimony	Total	=	32.3	µg/L	EPA 200.8	0.034	0.5			GB
2014/15-3	MO-FIL	matrix spike dup, rec	1/7/2015	Metal	Antimony	Total	=	60	%	EPA 200.8	-88	-88	70	130	GB
2014/15-3	MO-FIL	matrix spike, RPD	1/7/2015	Metal	Antimony	Total	=	0.06	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/6/2015	Metal	Antimony	Total	=	35.8	µg/L	EPA 200.8	0.034	0.5			GB
2014/15-3	MO-OXN	matrix spike, rec	1/6/2015	Metal	Antimony	Total	=	68	%	EPA 200.8	-88	-88	70	130	GB
2014/15-3	MO-OXN	matrix spike dup	1/6/2015	Metal	Antimony	Total	=	36.2	µg/L	EPA 200.8	0.034	0.5			GB
2014/15-3	MO-OXN	matrix spike dup, rec	1/6/2015	Metal	Antimony	Total	=	69	%	EPA 200.8	-88	-88	70	130	GB
2014/15-3	MO-OXN	matrix spike, RPD	1/6/2015	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Antimony	Total	=	37.3	µg/L	EPA 200.8	0.034	0.5			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Antimony	Total	=	72	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Antimony	Total	=	38	µg/L	EPA 200.8	0.034	0.5			
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Antimony	Total	=	73	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-3	Lab	method blank	1/6/2015	Metal	Arsenic	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	Lab	LCS	1/6/2015	Metal	Arsenic	Dissolved	=	48.8	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Arsenic	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Arsenic	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	Lab	LCS	1/6/2015	Metal	Arsenic	Dissolved	=	50.3	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Arsenic	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Arsenic	Total	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	Lab	LCS	1/6/2015	Metal	Arsenic	Total	=	48.8	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Arsenic	Total	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	Lab	LCS	1/6/2015	Metal	Arsenic	Total	=	50.3	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Arsenic	Total	=	60.4	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike dup	1/7/2015	Metal	Arsenic	Total	=	57.2	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	MO-FIL	matrix spike dup, rec	1/7/2015	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike, RPD	1/7/2015	Metal	Arsenic	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/6/2015	Metal	Arsenic	Total	=	50.5	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	MO-OXN	matrix spike, rec	1/6/2015	Metal	Arsenic	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike dup	1/6/2015	Metal	Arsenic	Total	=	51.1	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	MO-OXN	matrix spike dup, rec	1/6/2015	Metal	Arsenic	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike, RPD	1/6/2015	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Arsenic	Total	=	53.1	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Arsenic	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Arsenic	Total	=	53.5	µg/L	EPA 200.8	0.13	0.4			
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Arsenic	Total	=	100	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Arsenic	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2014/15-3	Lab	method blank	1/6/2015	Metal	Barium	Total	<	0.097	µg/L	EPA 200.8	0.097	0.5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Barium	Total	=	48.4	µg/L	EPA 200.8	0.097	0.5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Barium	Total	<	0.097	µg/L	EPA 200.8	0.097	0.5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Barium	Total	=	51.3	µg/L	EPA 200.8	0.097	0.5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Barium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Barium	Total	=	292	µg/L	EPA 200.8	0.097	0.5			GB
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Barium	Total	=	189	%	EPA 200.8	-88	-88	70	130	GB
2014/15-3	MO-FIL	matrix spike dup	1/7/2015	Metal	Barium	Total	=	282	µg/L	EPA 200.8	0.097	0.5			GB
2014/15-3	MO-FIL	matrix spike dup, rec	1/7/2015	Metal	Barium	Total	=	169	%	EPA 200.8	-88	-88	70	130	GB
2014/15-3	MO-FIL	matrix spike, RPD	1/7/2015	Metal	Barium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/6/2015	Metal	Barium	Total	=	193	µg/L	EPA 200.8	0.097	0.5			
2014/15-3	MO-OXN	matrix spike, rec	1/6/2015	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike dup	1/6/2015	Metal	Barium	Total	=	192	µg/L	EPA 200.8	0.097	0.5			
2014/15-3	MO-OXN	matrix spike dup, rec	1/6/2015	Metal	Barium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike, RPD	1/6/2015	Metal	Barium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Barium	Total	=	222	µg/L	EPA 200.8	0.097	0.5			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Barium	Total	=	110	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Barium	Total	=	222	µg/L	EPA 200.8	0.097	0.5			
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Barium	Total	=	111	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Barium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-3	Lab	method blank	1/6/2015	Metal	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	Lab	LCS	1/6/2015	Metal	Beryllium	Dissolved	=	47.9	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Beryllium	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/7/2015	Metal	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	Lab	LCS	1/7/2015	Metal	Beryllium	Dissolved	=	49.6	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	Lab	LCS, rec	1/7/2015	Metal	Beryllium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Beryllium	Total	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	Lab	LCS	1/6/2015	Metal	Beryllium	Total	=	47.9	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Beryllium	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/7/2015	Metal	Beryllium	Total	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	Lab	LCS	1/7/2015	Metal	Beryllium	Total	=	49.6	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	Lab	LCS, rec	1/7/2015	Metal	Beryllium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Beryllium	Total	=	55.4	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Beryllium	Total	=	110	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike dup	1/8/2015	Metal	Beryllium	Total	=	55.6	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	MO-FIL	matrix spike dup, rec	1/8/2015	Metal	Beryllium	Total	=	110	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike, RPD	1/8/2015	Metal	Beryllium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/7/2015	Metal	Beryllium	Total	=	49	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	MO-OXN	matrix spike, rec	1/7/2015	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike dup	1/7/2015	Metal	Beryllium	Total	=	49.4	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	MO-OXN	matrix spike dup, rec	1/7/2015	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike, RPD	1/7/2015	Metal	Beryllium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Beryllium	Total	=	53.4	µg/L	EPA 200.8	0.015	0.1			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Beryllium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Beryllium	Total	=	55.2	µg/L	EPA 200.8	0.015	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Beryllium	Total	=	110	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Beryllium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-3	Lab	method blank	1/6/2015	Metal	Cadmium	Dissolved	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	Lab	LCS	1/6/2015	Metal	Cadmium	Dissolved	=	48.6	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Cadmium	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Cadmium	Dissolved	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	Lab	LCS	1/6/2015	Metal	Cadmium	Dissolved	=	50.4	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Cadmium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Cadmium	Total	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	Lab	LCS	1/6/2015	Metal	Cadmium	Total	=	48.6	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Cadmium	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Cadmium	Total	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	Lab	LCS	1/6/2015	Metal	Cadmium	Total	=	50.4	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Cadmium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Cadmium	Total	=	64.7	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike dup	1/7/2015	Metal	Cadmium	Total	=	64.4	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	MO-FIL	matrix spike dup, rec	1/7/2015	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike, RPD	1/7/2015	Metal	Cadmium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/6/2015	Metal	Cadmium	Total	=	48.6	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	MO-OXN	matrix spike, rec	1/6/2015	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike dup	1/6/2015	Metal	Cadmium	Total	=	49	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	MO-OXN	matrix spike dup, rec	1/6/2015	Metal	Cadmium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike, RPD	1/6/2015	Metal	Cadmium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Cadmium	Total	=	51.4	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Cadmium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Cadmium	Total	=	51.1	µg/L	EPA 200.8	0.017	0.1			
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Cadmium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-3	Lab	method blank	1/6/2015	Metal	Chromium	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Chromium	Dissolved	=	51.2	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Chromium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Chromium	Dissolved	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Chromium	Dissolved	=	51.5	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Chromium	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Chromium	Total	DNQ	0.03	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Chromium	Total	=	51.2	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Chromium	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Chromium	Total	=	51.5	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Chromium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Chromium	Total	=	80.4	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Chromium	Total	=	110	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike dup	1/7/2015	Metal	Chromium	Total	=	75.2	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	MO-FIL	matrix spike dup, rec	1/7/2015	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike, RPD	1/7/2015	Metal	Chromium	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/6/2015	Metal	Chromium	Total	=	63.4	µg/L	EPA 200.8	0.024	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-OXN	matrix spike, rec	1/6/2015	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike dup	1/6/2015	Metal	Chromium	Total	=	65.2	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	MO-OXN	matrix spike dup, rec	1/6/2015	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike, RPD	1/6/2015	Metal	Chromium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Chromium	Total	=	62.4	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Chromium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Chromium	Total	=	63.1	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Chromium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2014/15-3	Lab	LCS	12/26/2014	Metal	Chromium VI	n/a	=	4.9	µg/L	EPA 218.6	0.0048	0.02			
2014/15-3	Lab	LCS, rec	12/26/2014	Metal	Chromium VI	n/a	=	98	%	EPA 218.6	-88	-88	90	110	
2014/15-3	MO-HUE	matrix spike	12/26/2014	Metal	Chromium VI	n/a	=	4.97	µg/L	EPA 218.6	0.0048	0.02			
2014/15-3	MO-HUE	matrix spike, rec	12/26/2014	Metal	Chromium VI	n/a	=	98	%	EPA 218.6	-88	-88	88	112	
2014/15-3	MO-HUE	matrix spike dup	12/26/2014	Metal	Chromium VI	n/a	=	5	µg/L	EPA 218.6	0.0048	0.02			
2014/15-3	MO-HUE	matrix spike dup, rec	12/26/2014	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	88	112	
2014/15-3	MO-HUE	matrix spike, RPD	12/26/2014	Metal	Chromium VI	n/a	=	0.6	%	EPA 218.6	-88	-88	0	10	
2014/15-3	MO-SPA	matrix spike	12/26/2014	Metal	Chromium VI	n/a	=	5.29	µg/L	EPA 218.6	0.0048	0.02			
2014/15-3	MO-SPA	matrix spike, rec	12/26/2014	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	88	112	
2014/15-3	MO-SPA	matrix spike dup	12/26/2014	Metal	Chromium VI	n/a	=	5.31	µg/L	EPA 218.6	0.0048	0.02			
2014/15-3	MO-SPA	matrix spike dup, rec	12/26/2014	Metal	Chromium VI	n/a	=	99	%	EPA 218.6	-88	-88	88	112	
2014/15-3	MO-SPA	matrix spike, RPD	12/26/2014	Metal	Chromium VI	n/a	=	0.3	%	EPA 218.6	-88	-88	0	10	
2014/15-3	Lab	method blank	1/6/2015	Metal	Copper	Dissolved	<	0.036	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Copper	Dissolved	=	52.9	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Copper	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/7/2015	Metal	Copper	Dissolved	<	0.036	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	Lab	LCS	1/7/2015	Metal	Copper	Dissolved	=	54.8	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	Lab	LCS, rec	1/7/2015	Metal	Copper	Dissolved	=	110	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Copper	Total	<	0.036	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Copper	Total	=	52.9	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Copper	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/7/2015	Metal	Copper	Total	<	0.036	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	Lab	LCS	1/7/2015	Metal	Copper	Total	=	54.8	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	Lab	LCS, rec	1/7/2015	Metal	Copper	Total	=	110	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Copper	Total	=	92.4	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Copper	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike dup	1/8/2015	Metal	Copper	Total	=	91.8	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	MO-FIL	matrix spike dup, rec	1/8/2015	Metal	Copper	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike, RPD	1/8/2015	Metal	Copper	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/7/2015	Metal	Copper	Total	=	101	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	MO-OXN	matrix spike, rec	1/7/2015	Metal	Copper	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike dup	1/7/2015	Metal	Copper	Total	=	102	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	MO-OXN	matrix spike dup, rec	1/7/2015	Metal	Copper	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike, RPD	1/7/2015	Metal	Copper	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Copper	Total	=	95.9	µg/L	EPA 200.8	0.036	0.5			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Copper	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Copper	Total	=	94.2	µg/L	EPA 200.8	0.036	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Metal	Iron	Dissolved	DNQ	3.05	µg/L	EPA 200.7	1.1	10			
2014/15-3	Lab	LCS	12/24/2014	Metal	Iron	Dissolved	=	191	µg/L	EPA 200.7	1.1	10			
2014/15-3	Lab	LCS, rec	12/24/2014	Metal	Iron	Dissolved	=	95	%	EPA 200.7	-88	-88	85	115	
2014/15-3	Lab	method blank	12/29/2014	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-3	Lab	LCS	12/29/2014	Metal	Iron	Dissolved	=	181	µg/L	EPA 200.7	1.1	10			
2014/15-3	Lab	LCS, rec	12/29/2014	Metal	Iron	Dissolved	=	90	%	EPA 200.7	-88	-88	85	115	
2014/15-3	Lab	method blank	12/24/2014	Metal	Iron	Total	DNQ	2.57	µg/L	EPA 200.7	1.1	10			
2014/15-3	Lab	LCS	12/24/2014	Metal	Iron	Total	=	191	µg/L	EPA 200.7	1.1	10			
2014/15-3	Lab	LCS, rec	12/24/2014	Metal	Iron	Total	=	95	%	EPA 200.7	-88	-88	85	115	
2014/15-3	Lab	method blank	12/29/2014	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-3	Lab	LCS	12/29/2014	Metal	Iron	Total	=	181	µg/L	EPA 200.7	1.1	10			
2014/15-3	Lab	LCS, rec	12/29/2014	Metal	Iron	Total	=	90	%	EPA 200.7	-88	-88	85	115	
2014/15-3	ME-VR2	matrix spike	12/29/2014	Metal	Iron	Total	=	1080	µg/L	EPA 200.7	1.1	10			
2014/15-3	ME-VR2	matrix spike, rec	12/29/2014	Metal	Iron	Total	=	87	%	EPA 200.7	-88	-88	70	130	
2014/15-3	ME-VR2	matrix spike dup	12/29/2014	Metal	Iron	Total	=	1080	µg/L	EPA 200.7	1.1	10			
2014/15-3	ME-VR2	matrix spike dup, rec	12/29/2014	Metal	Iron	Total	=	83	%	EPA 200.7	-88	-88	70	130	
2014/15-3	ME-VR2	matrix spike, RPD	12/29/2014	Metal	Iron	Total	=	0.8	%	EPA 200.7	-88	-88	0	30	
2014/15-3	MO-HUE	matrix spike	12/24/2014	Metal	Iron	Total	=	9750	µg/L	EPA 200.7	1.1	10			GB
2014/15-3	MO-HUE	matrix spike, rec	12/24/2014	Metal	Iron	Total	=	-24	%	EPA 200.7	-88	-88	70	130	GB
2014/15-3	MO-HUE	matrix spike dup	12/24/2014	Metal	Iron	Total	=	10100	µg/L	EPA 200.7	1.1	10			GB
2014/15-3	MO-HUE	matrix spike dup, rec	12/24/2014	Metal	Iron	Total	=	134	%	EPA 200.7	-88	-88	70	130	GB
2014/15-3	MO-HUE	matrix spike, RPD	12/24/2014	Metal	Iron	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2014/15-3	MO-MEI	matrix spike	12/29/2014	Metal	Iron	Total	=	13200	µg/L	EPA 200.7	1.1	10			GB
2014/15-3	MO-MEI	matrix spike, rec	12/29/2014	Metal	Iron	Total	=	-302	%	EPA 200.7	-88	-88	70	130	GB
2014/15-3	MO-MEI	matrix spike dup	12/29/2014	Metal	Iron	Total	=	13200	µg/L	EPA 200.7	1.1	10			GB
2014/15-3	MO-MEI	matrix spike dup, rec	12/29/2014	Metal	Iron	Total	=	-311	%	EPA 200.7	-88	-88	70	130	GB
2014/15-3	MO-MEI	matrix spike, RPD	12/29/2014	Metal	Iron	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2014/15-3	Lab	method blank	1/6/2015	Metal	Lead	Dissolved	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Lead	Dissolved	=	49.3	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Lead	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Lead	Dissolved	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Lead	Dissolved	=	49.7	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Lead	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Lead	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Lead	Total	=	49.3	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Lead	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Lead	Total	=	49.7	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Lead	Total	=	61.1	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Lead	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike dup	1/7/2015	Metal	Lead	Total	=	61	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	MO-FIL	matrix spike dup, rec	1/7/2015	Metal	Lead	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike, RPD	1/7/2015	Metal	Lead	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/6/2015	Metal	Lead	Total	=	89	µg/L	EPA 200.8	0.024	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-OXN	matrix spike, rec	1/6/2015	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike dup	1/6/2015	Metal	Lead	Total	=	92.8	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	MO-OXN	matrix spike dup, rec	1/6/2015	Metal	Lead	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike, RPD	1/6/2015	Metal	Lead	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Lead	Total	=	99.8	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Lead	Total	=	111	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Lead	Total	=	98.7	µg/L	EPA 200.8	0.024	0.2			
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Lead	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Lead	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/29/2014	Metal	Mercury	Dissolved	=	988	ng/L	EPA 245.1	3.9	50			
2014/15-3	000NONPJ	matrix spike	12/29/2014	Metal	Mercury	Dissolved	=	978	ng/L	EPA 245.1	3.9	50			
2014/15-3	000NONPJ	matrix spike dup	12/29/2014	Metal	Mercury	Dissolved	=	959	ng/L	EPA 245.1	3.9	50			
2014/15-3	000NONPJ	matrix spike dup	12/29/2014	Metal	Mercury	Dissolved	=	973	ng/L	EPA 245.1	3.9	50			
2014/15-3	000NONPJ	matrix spike dup, rec	12/29/2014	Metal	Mercury	Dissolved	=	97	%	EPA 245.1	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup, rec	12/29/2014	Metal	Mercury	Dissolved	=	96	%	EPA 245.1	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, rec	12/29/2014	Metal	Mercury	Dissolved	=	98	%	EPA 245.1	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, rec	12/29/2014	Metal	Mercury	Dissolved	=	99	%	EPA 245.1	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/29/2014	Metal	Mercury	Dissolved	=	2	%	EPA 245.1	-88	-88	0	20	
2014/15-3	000NONPJ	matrix spike, RPD	12/29/2014	Metal	Mercury	Dissolved	=	2	%	EPA 245.1	-88	-88	0	20	
2014/15-3	Lab	method blank	12/23/2014	Metal	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-3	Lab	LCS	12/23/2014	Metal	Mercury	Dissolved	=	964	ng/L	EPA 245.1	3.9	50			
2014/15-3	Lab	LCS, rec	12/23/2014	Metal	Mercury	Dissolved	=	96	%	EPA 245.1	-88	-88	85	115	
2014/15-3	Lab	method blank	12/23/2014	Metal	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-3	Lab	LCS	12/29/2014	Metal	Mercury	Dissolved	=	968	ng/L	EPA 245.1	3.9	50			
2014/15-3	Lab	LCS, rec	12/29/2014	Metal	Mercury	Dissolved	=	97	%	EPA 245.1	-88	-88	85	115	
2014/15-3	Lab	method blank	12/29/2014	Metal	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-3	000NONPJ	matrix spike	12/29/2014	Metal	Mercury	Total	=	988	ng/L	EPA 245.1	3.9	50			
2014/15-3	000NONPJ	matrix spike	12/29/2014	Metal	Mercury	Total	=	978	ng/L	EPA 245.1	3.9	50			
2014/15-3	000NONPJ	matrix spike dup	12/29/2014	Metal	Mercury	Total	=	959	ng/L	EPA 245.1	3.9	50			
2014/15-3	000NONPJ	matrix spike dup	12/29/2014	Metal	Mercury	Total	=	973	ng/L	EPA 245.1	3.9	50			
2014/15-3	000NONPJ	matrix spike dup, rec	12/29/2014	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup, rec	12/29/2014	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, rec	12/29/2014	Metal	Mercury	Total	=	98	%	EPA 245.1	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, rec	12/29/2014	Metal	Mercury	Total	=	99	%	EPA 245.1	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/29/2014	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2014/15-3	000NONPJ	matrix spike, RPD	12/29/2014	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2014/15-3	Lab	LCS	12/23/2014	Metal	Mercury	Total	=	960	ng/L	EPA 245.1	3.9	50			
2014/15-3	Lab	LCS, rec	12/23/2014	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	85	115	
2014/15-3	Lab	method blank	12/23/2014	Metal	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-3	Lab	LCS	12/23/2014	Metal	Mercury	Total	=	964	ng/L	EPA 245.1	3.9	50			
2014/15-3	Lab	LCS, rec	12/23/2014	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	85	115	
2014/15-3	Lab	method blank	12/23/2014	Metal	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-3	Lab	LCS	12/29/2014	Metal	Mercury	Total	=	968	ng/L	EPA 245.1	3.9	50			
2014/15-3	Lab	LCS, rec	12/29/2014	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	85	115	
2014/15-3	Lab	method blank	12/29/2014	Metal	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-3	ME-VR2	matrix spike	12/23/2014	Metal	Mercury	Total	=	1520	ng/L	EPA 245.1	3.9	50			
2014/15-3	ME-VR2	matrix spike dup	12/23/2014	Metal	Mercury	Total	=	1540	ng/L	EPA 245.1	3.9	50			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	ME-VR2	matrix spike dup, rec	12/23/2014	Metal	Mercury	Total	=	77	%	EPA 245.1	-88	-88	70	130	
2014/15-3	ME-VR2	matrix spike, rec	12/23/2014	Metal	Mercury	Total	=	76	%	EPA 245.1	-88	-88	70	130	
2014/15-3	ME-VR2	matrix spike, RPD	12/23/2014	Metal	Mercury	Total	=	1	%	EPA 245.1	-88	-88	0	20	
2014/15-3	MO-CAM	matrix spike	12/23/2014	Metal	Mercury	Total	=	1720	ng/L	EPA 245.1	3.9	50			
2014/15-3	MO-CAM	matrix spike dup	12/23/2014	Metal	Mercury	Total	=	1780	ng/L	EPA 245.1	3.9	50			
2014/15-3	MO-CAM	matrix spike dup, rec	12/23/2014	Metal	Mercury	Total	=	87	%	EPA 245.1	-88	-88	70	130	
2014/15-3	MO-CAM	matrix spike, rec	12/23/2014	Metal	Mercury	Total	=	84	%	EPA 245.1	-88	-88	70	130	
2014/15-3	MO-CAM	matrix spike, RPD	12/23/2014	Metal	Mercury	Total	=	3	%	EPA 245.1	-88	-88	0	20	
2014/15-3	MO-MPK	matrix spike	12/23/2014	Metal	Mercury	Total	=	1650	ng/L	EPA 245.1	3.9	50			
2014/15-3	MO-MPK	matrix spike dup	12/23/2014	Metal	Mercury	Total	=	1470	ng/L	EPA 245.1	3.9	50			GB
2014/15-3	MO-MPK	matrix spike dup, rec	12/23/2014	Metal	Mercury	Total	=	68	%	EPA 245.1	-88	-88	70	130	GB
2014/15-3	MO-MPK	matrix spike, rec	12/23/2014	Metal	Mercury	Total	=	77	%	EPA 245.1	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	12/23/2014	Metal	Mercury	Total	=	12	%	EPA 245.1	-88	-88	0	20	
2014/15-3	MO-SIM	matrix spike	12/23/2014	Metal	Mercury	Total	=	1850	ng/L	EPA 245.1	3.9	50			
2014/15-3	MO-SIM	matrix spike dup	12/23/2014	Metal	Mercury	Total	=	1770	ng/L	EPA 245.1	3.9	50			
2014/15-3	MO-SIM	matrix spike dup, rec	12/23/2014	Metal	Mercury	Total	=	87	%	EPA 245.1	-88	-88	70	130	
2014/15-3	MO-SIM	matrix spike, rec	12/23/2014	Metal	Mercury	Total	=	91	%	EPA 245.1	-88	-88	70	130	
2014/15-3	MO-SIM	matrix spike, RPD	12/23/2014	Metal	Mercury	Total	=	4	%	EPA 245.1	-88	-88	0	20	
2014/15-3	Lab	method blank	1/6/2015	Metal	Nickel	Dissolved	<	0.091	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	Lab	LCS	1/6/2015	Metal	Nickel	Dissolved	=	53.2	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Nickel	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Nickel	Dissolved	<	0.091	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	Lab	LCS	1/6/2015	Metal	Nickel	Dissolved	=	52	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Nickel	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Nickel	Total	<	0.091	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	Lab	LCS	1/6/2015	Metal	Nickel	Total	=	53.2	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Nickel	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Nickel	Total	<	0.091	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	Lab	LCS	1/6/2015	Metal	Nickel	Total	=	52	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Nickel	Total	=	115	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Nickel	Total	=	116	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike dup	1/8/2015	Metal	Nickel	Total	=	113	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	MO-FIL	matrix spike dup, rec	1/8/2015	Metal	Nickel	Total	=	112	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike, RPD	1/8/2015	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-oxN	matrix spike	1/6/2015	Metal	Nickel	Total	=	68.6	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	MO-oxN	matrix spike, rec	1/6/2015	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-oxN	matrix spike dup	1/6/2015	Metal	Nickel	Total	=	69.8	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	MO-oxN	matrix spike dup, rec	1/6/2015	Metal	Nickel	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-oxN	matrix spike, RPD	1/6/2015	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Nickel	Total	=	66.9	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Nickel	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Nickel	Total	=	65.3	µg/L	EPA 200.8	0.091	0.8			
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Nickel	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-3	Lab	method blank	1/6/2015	Metal	Selenium	Dissolved	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	Lab	LCS	1/6/2015	Metal	Selenium	Dissolved	=	49.5	µg/L	EPA 200.8	0.081	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Selenium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Selenium	Dissolved	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	Lab	LCS	1/6/2015	Metal	Selenium	Dissolved	=	50.8	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Selenium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Selenium	Total	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	Lab	LCS	1/6/2015	Metal	Selenium	Total	=	49.5	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Selenium	Total	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	Lab	LCS	1/6/2015	Metal	Selenium	Total	=	50.8	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Selenium	Total	=	57.4	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Selenium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike dup	1/7/2015	Metal	Selenium	Total	=	56.1	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	MO-FIL	matrix spike dup, rec	1/7/2015	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike, RPD	1/7/2015	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/6/2015	Metal	Selenium	Total	=	46.4	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	MO-OXN	matrix spike, rec	1/6/2015	Metal	Selenium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike dup	1/6/2015	Metal	Selenium	Total	=	46.8	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	MO-OXN	matrix spike dup, rec	1/6/2015	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike, RPD	1/6/2015	Metal	Selenium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Selenium	Total	=	50.9	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Selenium	Total	=	51.3	µg/L	EPA 200.8	0.081	0.4			
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Selenium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2014/15-3	Lab	method blank	1/6/2015	Metal	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Silver	Dissolved	=	46.6	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Silver	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Silver	Dissolved	=	46.7	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Silver	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Silver	Total	DNQ	0.02	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Silver	Total	=	46.6	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Silver	Total	<	0.012	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Silver	Total	=	46.7	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Silver	Total	=	46.2	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike dup	1/7/2015	Metal	Silver	Total	=	45.9	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	MO-FIL	matrix spike dup, rec	1/7/2015	Metal	Silver	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike, RPD	1/7/2015	Metal	Silver	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/6/2015	Metal	Silver	Total	=	45.3	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	MO-OXN	matrix spike, rec	1/6/2015	Metal	Silver	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike dup	1/6/2015	Metal	Silver	Total	=	45.9	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	MO-OXN	matrix spike dup, rec	1/6/2015	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike, RPD	1/6/2015	Metal	Silver	Total	=	1	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Silver	Total	=	46.1	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Silver	Total	=	46.3	µg/L	EPA 200.8	0.012	0.2			
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Silver	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2014/15-3	Lab	method blank	1/6/2015	Metal	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Thallium	Dissolved	=	51	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Thallium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Thallium	Dissolved	=	51.7	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Thallium	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Thallium	Total	=	51	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Thallium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	Lab	LCS	1/6/2015	Metal	Thallium	Total	=	51.7	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Thallium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Thallium	Total	=	50.8	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike dup	1/7/2015	Metal	Thallium	Total	=	50.6	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	MO-FIL	matrix spike dup, rec	1/7/2015	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike, RPD	1/7/2015	Metal	Thallium	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/6/2015	Metal	Thallium	Total	=	48.6	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	MO-OXN	matrix spike, rec	1/6/2015	Metal	Thallium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike dup	1/6/2015	Metal	Thallium	Total	=	49.8	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	MO-OXN	matrix spike dup, rec	1/6/2015	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike, RPD	1/6/2015	Metal	Thallium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Thallium	Total	=	50.6	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Thallium	Total	=	50.8	µg/L	EPA 200.8	0.034	0.2			
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Thallium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-3	Lab	method blank	1/6/2015	Metal	Zinc	Dissolved	DNQ	1.81	µg/L	EPA 200.8	0.5	5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Zinc	Dissolved	=	51	µg/L	EPA 200.8	0.5	5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Zinc	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Zinc	Dissolved	DNQ	1.42	µg/L	EPA 200.8	0.5	5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Zinc	Dissolved	=	52.2	µg/L	EPA 200.8	0.5	5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Zinc	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Zinc	Total	DNQ	1.84	µg/L	EPA 200.8	0.5	5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Zinc	Total	=	51	µg/L	EPA 200.8	0.5	5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-3	Lab	method blank	1/6/2015	Metal	Zinc	Total	DNQ	0.71	µg/L	EPA 200.8	0.5	5			
2014/15-3	Lab	LCS	1/6/2015	Metal	Zinc	Total	=	52.2	µg/L	EPA 200.8	0.5	5			
2014/15-3	Lab	LCS, rec	1/6/2015	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-3	MO-FIL	matrix spike	1/7/2015	Metal	Zinc	Total	=	250	µg/L	EPA 200.8	0.5	5			
2014/15-3	MO-FIL	matrix spike, rec	1/7/2015	Metal	Zinc	Total	=	125	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike dup	1/7/2015	Metal	Zinc	Total	=	234	µg/L	EPA 200.8	0.5	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-FIL	matrix spike dup, rec	1/7/2015	Metal	Zinc	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-FIL	matrix spike, RPD	1/7/2015	Metal	Zinc	Total	=	7	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-OXN	matrix spike	1/6/2015	Metal	Zinc	Total	=	400	µg/L	EPA 200.8	0.5	5			
2014/15-3	MO-OXN	matrix spike, rec	1/6/2015	Metal	Zinc	Total	=	130	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike dup	1/6/2015	Metal	Zinc	Total	=	386	µg/L	EPA 200.8	0.5	5			
2014/15-3	MO-OXN	matrix spike dup, rec	1/6/2015	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-OXN	matrix spike, RPD	1/6/2015	Metal	Zinc	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2014/15-3	MO-SPA	matrix spike	1/7/2015	Metal	Zinc	Total	=	316	µg/L	EPA 200.8	0.5	5			
2014/15-3	MO-SPA	matrix spike, rec	1/7/2015	Metal	Zinc	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike dup	1/7/2015	Metal	Zinc	Total	=	312	µg/L	EPA 200.8	0.5	5			
2014/15-3	MO-SPA	matrix spike dup, rec	1/7/2015	Metal	Zinc	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2014/15-3	MO-SPA	matrix spike, RPD	1/7/2015	Metal	Zinc	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/19/2014	Nutrient	Ammonia as N	n/a	=	0.422	mg/L	EPA 350.1	0.048	0.1			
2014/15-3	000NONPJ	matrix spike dup	12/19/2014	Nutrient	Ammonia as N	n/a	=	0.424	mg/L	EPA 350.1	0.048	0.1			
2014/15-3	000NONPJ	matrix spike dup, rec	12/19/2014	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike, rec	12/19/2014	Nutrient	Ammonia as N	n/a	=	98	%	EPA 350.1	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike, RPD	12/19/2014	Nutrient	Ammonia as N	n/a	=	0.3	%	EPA 350.1	-88	-88	0	15	
2014/15-3	Lab	LCS	12/19/2014	Nutrient	Ammonia as N	n/a	=	0.247	mg/L	EPA 350.1	0.048	0.1			
2014/15-3	Lab	LCS, rec	12/19/2014	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2014/15-3	Lab	method blank	12/19/2014	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-3	Lab	LCS	12/29/2014	Nutrient	Ammonia as N	n/a	=	0.27	mg/L	EPA 350.1	0.048	0.1			
2014/15-3	Lab	LCS, rec	12/29/2014	Nutrient	Ammonia as N	n/a	=	108	%	EPA 350.1	-88	-88	90	110	
2014/15-3	Lab	method blank	12/29/2014	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-3	MO-MPK	matrix spike	12/29/2014	Nutrient	Ammonia as N	n/a	=	2.01	mg/L	EPA 350.1	0.24	0.5			
2014/15-3	MO-MPK	matrix spike dup	12/29/2014	Nutrient	Ammonia as N	n/a	=	2.01	mg/L	EPA 350.1	0.24	0.5			
2014/15-3	MO-MPK	matrix spike dup, rec	12/29/2014	Nutrient	Ammonia as N	n/a	=	107	%	EPA 350.1	-88	-88	90	110	
2014/15-3	MO-MPK	matrix spike, rec	12/29/2014	Nutrient	Ammonia as N	n/a	=	107	%	EPA 350.1	-88	-88	90	110	
2014/15-3	MO-MPK	matrix spike, RPD	12/29/2014	Nutrient	Ammonia as N	n/a	=	0.01	%	EPA 350.1	-88	-88	0	15	
2014/15-3	000NONPJ	matrix spike	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2.09	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	000NONPJ	matrix spike, rec	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike dup	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2.13	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	000NONPJ	matrix spike dup, rec	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike, RPD	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2014/15-3	000NONPJ	matrix spike	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2.06	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	000NONPJ	matrix spike, rec	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	103	%	EPA 353.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike dup	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2.04	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	000NONPJ	matrix spike dup, rec	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike, RPD	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	0.9	%	EPA 353.2	-88	-88	0	20	
2014/15-3	000NONPJ	matrix spike	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	3.53	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	000NONPJ	matrix spike, rec	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike dup	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	3.62	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	000NONPJ	matrix spike dup, rec	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike, RPD	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2014/15-3	Lab	method blank	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	Lab	LCS	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	1.04	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	Lab	LCS, rec	12/13/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2014/15-3	Lab	method blank	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	1.05	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	Lab	LCS, rec	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	105	%	EPA 353.2	-88	-88	90	110	
2014/15-3	Lab	method blank	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	Lab	LCS	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	1.07	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	Lab	LCS, rec	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	107	%	EPA 353.2	-88	-88	90	110	
2014/15-3	ME-VR2	matrix spike	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2.28	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	ME-VR2	matrix spike, rec	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2014/15-3	ME-VR2	matrix spike dup	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2.29	mg/L	EPA 353.2	0.01	0.1			
2014/15-3	ME-VR2	matrix spike dup, rec	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2014/15-3	ME-VR2	matrix spike, RPD	12/17/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	0.3	%	EPA 353.2	-88	-88	0	20	
2014/15-3	000NONPJ	matrix spike	12/13/2014	Nutrient	Nitrate as N	n/a	=	2.09	mg/L	EPA 353.2	0.041	0.1			
2014/15-3	000NONPJ	matrix spike, rec	12/13/2014	Nutrient	Nitrate as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike dup	12/13/2014	Nutrient	Nitrate as N	n/a	=	2.13	mg/L	EPA 353.2	0.041	0.1			
2014/15-3	000NONPJ	matrix spike dup, rec	12/13/2014	Nutrient	Nitrate as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike, RPD	12/13/2014	Nutrient	Nitrate as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2014/15-3	000NONPJ	matrix spike	12/13/2014	Nutrient	Nitrate as N	n/a	=	2.06	mg/L	EPA 353.2	0.041	0.1			
2014/15-3	000NONPJ	matrix spike, rec	12/13/2014	Nutrient	Nitrate as N	n/a	=	103	%	EPA 353.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike dup	12/13/2014	Nutrient	Nitrate as N	n/a	=	2.04	mg/L	EPA 353.2	0.041	0.1			
2014/15-3	000NONPJ	matrix spike dup, rec	12/13/2014	Nutrient	Nitrate as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike, RPD	12/13/2014	Nutrient	Nitrate as N	n/a	=	0.9	%	EPA 353.2	-88	-88	0	20	
2014/15-3	Lab	method blank	12/13/2014	Nutrient	Nitrate as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2014/15-3	Lab	LCS	12/13/2014	Nutrient	Nitrate as N	n/a	=	1.04	mg/L	EPA 353.2	0.041	0.1			
2014/15-3	Lab	LCS, rec	12/13/2014	Nutrient	Nitrate as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2014/15-3	Lab	method blank	1/2/2015	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-3	Lab	LCS	1/2/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0507	mg/L	EPA 365.1	0.0014	0.01			
2014/15-3	Lab	LCS, rec	1/2/2015	Nutrient	Phosphorus as P	Dissolved	=	101	%	EPA 365.1	-88	-88	90	110	
2014/15-3	Lab	method blank	1/9/2015	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-3	Lab	LCS	1/9/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0489	mg/L	EPA 365.1	0.0014	0.01			
2014/15-3	Lab	LCS, rec	1/9/2015	Nutrient	Phosphorus as P	Dissolved	=	98	%	EPA 365.1	-88	-88	90	110	
2014/15-3	MO-HUE	matrix spike	1/9/2015	Nutrient	Phosphorus as P	Dissolved	=	0.545	mg/L	EPA 365.1	0.007	0.05			GB
2014/15-3	MO-HUE	matrix spike, rec	1/9/2015	Nutrient	Phosphorus as P	Dissolved	=	115	%	EPA 365.1	-88	-88	90	110	GB
2014/15-3	MO-HUE	matrix spike dup	1/9/2015	Nutrient	Phosphorus as P	Dissolved	=	0.545	mg/L	EPA 365.1	0.007	0.05			GB
2014/15-3	MO-HUE	matrix spike dup, rec	1/9/2015	Nutrient	Phosphorus as P	Dissolved	=	115	%	EPA 365.1	-88	-88	90	110	GB
2014/15-3	MO-HUE	matrix spike, RPD	1/9/2015	Nutrient	Phosphorus as P	Dissolved	=	0	%	EPA 365.1	-88	-88	0	20	
2014/15-3	MO-MEI	matrix spike	1/2/2015	Nutrient	Phosphorus as P	Dissolved	=	0.836	mg/L	EPA 365.1	0.014	0.1			
2014/15-3	MO-MEI	matrix spike, rec	1/2/2015	Nutrient	Phosphorus as P	Dissolved	=	106	%	EPA 365.1	-88	-88	90	110	
2014/15-3	MO-MEI	matrix spike dup	1/2/2015	Nutrient	Phosphorus as P	Dissolved	=	0.827	mg/L	EPA 365.1	0.014	0.1			
2014/15-3	MO-MEI	matrix spike dup, rec	1/2/2015	Nutrient	Phosphorus as P	Dissolved	=	97	%	EPA 365.1	-88	-88	90	110	
2014/15-3	MO-MEI	matrix spike, RPD	1/2/2015	Nutrient	Phosphorus as P	Dissolved	=	1	%	EPA 365.1	-88	-88	0	20	
2014/15-3	MO-oxN	matrix spike	1/2/2015	Nutrient	Phosphorus as P	Dissolved	=	0.288	mg/L	EPA 365.1	0.0028	0.02			
2014/15-3	MO-oxN	matrix spike, rec	1/2/2015	Nutrient	Phosphorus as P	Dissolved	=	100	%	EPA 365.1	-88	-88	90	110	
2014/15-3	000NONPJ	lab duplicate	12/30/2014	Nutrient	Phosphorus as P	Total	=	0.28	mg/L	EPA 365.1	0.0028	0.02	0	20	
2014/15-3	000NONPJ	matrix spike	12/30/2014	Nutrient	Phosphorus as P	Total	=	0.324	mg/L	EPA 365.1	0.0028	0.02			GB
2014/15-3	000NONPJ	matrix spike, rec	12/30/2014	Nutrient	Phosphorus as P	Total	=	88	%	EPA 365.1	-88	-88	90	110	GB
2014/15-3	000NONPJ	matrix spike dup	12/30/2014	Nutrient	Phosphorus as P	Total	=	0.326	mg/L	EPA 365.1	0.0028	0.02			
2014/15-3	000NONPJ	matrix spike dup, rec	12/30/2014	Nutrient	Phosphorus as P	Total	=	92	%	EPA 365.1	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike, RPD	12/30/2014	Nutrient	Phosphorus as P	Total	=	0.6	%	EPA 365.1	-88	-88	0	20	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	method blank	12/30/2014	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-3	Lab	LCS	12/30/2014	Nutrient	Phosphorus as P	Total	=	0.0512	mg/L	EPA 365.1	0.0014	0.01			
2014/15-3	Lab	LCS, rec	12/30/2014	Nutrient	Phosphorus as P	Total	=	102	%	EPA 365.1	-88	-88	90	110	
2014/15-3	Lab	method blank	1/8/2015	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-3	Lab	LCS	1/8/2015	Nutrient	Phosphorus as P	Total	=	0.049	mg/L	EPA 365.1	0.0014	0.01			
2014/15-3	Lab	LCS, rec	1/8/2015	Nutrient	Phosphorus as P	Total	=	98	%	EPA 365.1	-88	-88	90	110	
2014/15-3	MO-OJA	matrix spike	1/8/2015	Nutrient	Phosphorus as P	Total	=	3.38	mg/L	EPA 365.1	0.035	0.25			
2014/15-3	MO-OJA	matrix spike, rec	1/8/2015	Nutrient	Phosphorus as P	Total	=	95	%	EPA 365.1	-88	-88	90	110	
2014/15-3	MO-OJA	matrix spike dup	1/8/2015	Nutrient	Phosphorus as P	Total	=	3.5	mg/L	EPA 365.1	0.035	0.25			
2014/15-3	MO-OJA	matrix spike dup, rec	1/8/2015	Nutrient	Phosphorus as P	Total	=	105	%	EPA 365.1	-88	-88	90	110	
2014/15-3	MO-OJA	matrix spike, RPD	1/8/2015	Nutrient	Phosphorus as P	Total	=	4	%	EPA 365.1	-88	-88	0	20	
2014/15-3	000NONPJ	matrix spike	12/26/2014	Nutrient	TKN	n/a	=	1.15	mg/L	EPA 351.2	0.05	0.1			
2014/15-3	000NONPJ	matrix spike dup	12/26/2014	Nutrient	TKN	n/a	=	1.05	mg/L	EPA 351.2	0.05	0.1			GB
2014/15-3	000NONPJ	matrix spike dup, rec	12/26/2014	Nutrient	TKN	n/a	=	87	%	EPA 351.2	-88	-88	90	110	GB
2014/15-3	000NONPJ	matrix spike, rec	12/26/2014	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike, RPD	12/26/2014	Nutrient	TKN	n/a	=	9	%	EPA 351.2	-88	-88	0	10	
2014/15-3	000NONPJ	matrix spike	1/5/2015	Nutrient	TKN	n/a	=	1.09	mg/L	EPA 351.2	0.05	0.1			
2014/15-3	000NONPJ	matrix spike	1/5/2015	Nutrient	TKN	n/a	=	1.17	mg/L	EPA 351.2	0.05	0.1			
2014/15-3	000NONPJ	matrix spike dup	1/5/2015	Nutrient	TKN	n/a	=	1.18	mg/L	EPA 351.2	0.05	0.1			
2014/15-3	000NONPJ	matrix spike dup	1/5/2015	Nutrient	TKN	n/a	=	1.14	mg/L	EPA 351.2	0.05	0.1			
2014/15-3	000NONPJ	matrix spike dup, rec	1/5/2015	Nutrient	TKN	n/a	=	94	%	EPA 351.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike dup, rec	1/5/2015	Nutrient	TKN	n/a	=	99	%	EPA 351.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike, rec	1/5/2015	Nutrient	TKN	n/a	=	94	%	EPA 351.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike, rec	1/5/2015	Nutrient	TKN	n/a	=	93	%	EPA 351.2	-88	-88	90	110	
2014/15-3	000NONPJ	matrix spike, RPD	1/5/2015	Nutrient	TKN	n/a	=	0.6	%	EPA 351.2	-88	-88	0	10	
2014/15-3	000NONPJ	matrix spike, RPD	1/5/2015	Nutrient	TKN	n/a	=	5	%	EPA 351.2	-88	-88	0	10	
2014/15-3	Lab	LCS	12/26/2014	Nutrient	TKN	n/a	=	0.932	mg/L	EPA 351.2	0.05	0.1			
2014/15-3	Lab	LCS, rec	12/26/2014	Nutrient	TKN	n/a	=	93	%	EPA 351.2	-88	-88	90	110	
2014/15-3	Lab	method blank	12/26/2014	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-3	Lab	LCS	12/30/2014	Nutrient	TKN	n/a	=	0.984	mg/L	EPA 351.2	0.05	0.1			
2014/15-3	Lab	LCS, rec	12/30/2014	Nutrient	TKN	n/a	=	98	%	EPA 351.2	-88	-88	90	110	
2014/15-3	Lab	method blank	12/30/2014	Nutrient	TKN	n/a	=	0.113	mg/L	EPA 351.2	0.05	0.1			IP
2014/15-3	Lab	LCS	1/5/2015	Nutrient	TKN	n/a	=	0.959	mg/L	EPA 351.2	0.05	0.1			
2014/15-3	Lab	LCS	1/5/2015	Nutrient	TKN	n/a	=	0.935	mg/L	EPA 351.2	0.05	0.1			
2014/15-3	Lab	LCS, rec	1/5/2015	Nutrient	TKN	n/a	=	96	%	EPA 351.2	-88	-88	90	110	
2014/15-3	Lab	LCS, rec	1/5/2015	Nutrient	TKN	n/a	=	94	%	EPA 351.2	-88	-88	90	110	
2014/15-3	Lab	method blank	1/5/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-3	Lab	method blank	1/5/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-3	MO-THO	matrix spike	12/30/2014	Nutrient	TKN	n/a	=	5.01	mg/L	EPA 351.2	0.05	0.1			GB
2014/15-3	MO-THO	matrix spike dup	12/30/2014	Nutrient	TKN	n/a	=	5	mg/L	EPA 351.2	0.05	0.1			GB
2014/15-3	MO-THO	matrix spike dup, rec	12/30/2014	Nutrient	TKN	n/a	=	87	%	EPA 351.2	-88	-88	90	110	GB
2014/15-3	MO-THO	matrix spike, rec	12/30/2014	Nutrient	TKN	n/a	=	88	%	EPA 351.2	-88	-88	90	110	GB
2014/15-3	MO-THO	matrix spike, RPD	12/30/2014	Nutrient	TKN	n/a	=	0.2	%	EPA 351.2	-88	-88	0	10	
2014/15-3	Lab	method blank	12/19/2014	Organic	1,2,4-Trichlorobenzene	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	18.6	µg/L	EPA 625	0.52	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	44	142	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	18.6	µg/L	EPA 625	0.52	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	44	142	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	17.3	µg/L	EPA 625	0.55	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	44	142	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	17.7	µg/L	EPA 625	0.55	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	44	142	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	1,2-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	1,2-Dichlorobenzene	n/a	=	17.5	µg/L	EPA 625	0.53	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	1,2-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	32	129	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	1,2-Dichlorobenzene	n/a	=	17.8	µg/L	EPA 625	0.53	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	1,2-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	32	129	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	1,2-Dichlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	1,2-Dichlorobenzene	n/a	=	16.2	µg/L	EPA 625	0.57	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	1,2-Dichlorobenzene	n/a	=	65	%	EPA 625	-88	-88	32	129	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	1,2-Dichlorobenzene	n/a	=	16.7	µg/L	EPA 625	0.57	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	1,2-Dichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	32	129	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	1,2-Dichlorobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	srgt LCS	12/18/2014	Organic	1,2-Dichloroethane-d4	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/18/2014	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2014/15-3	Lab	srgt LCS dup	12/18/2014	Organic	1,2-Dichloroethane-d4	n/a	=	49.7	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/18/2014	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2014/15-3	Lab	srgt method blank	12/18/2014	Organic	1,2-Dichloroethane-d4	n/a	=	57.9	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/18/2014	Organic	1,2-Dichloroethane-d4	n/a	=	116	%	EPA 624	-88	-88	82	125	
2014/15-3	Lab	srgt LCS	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	48	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2014/15-3	Lab	srgt LCS dup	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	48.1	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2014/15-3	Lab	srgt method blank	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2014/15-3	ME-CC	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	49.2	µg/L	EPA 624	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	98	%	EPA 624	-88	-88	82	125	
2014/15-3	ME-SCR	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2014/15-3	ME-SCR	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2014/15-3	ME-VR2	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	51.8	µg/L	EPA 624	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-CAM	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	52	µg/L	EPA 624	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-FIL	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	52.4	µg/L	EPA 624	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-HUE	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-MEI	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	52.8	µg/L	EPA 624	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	106	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-MPK	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	50.7	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-MPK	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-OJA	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	62.5	µg/L	EPA 624	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	125	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-OXN	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	57.8	µg/L	EPA 624	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	116	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-SIM	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	52	µg/L	EPA 624	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-SIM	srgt matrix spike	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	52.7	µg/L	EPA 624	-88	-88			
2014/15-3	MO-SIM	srgt matrix spike, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-SIM	srgt matrix spike dup	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	49.5	µg/L	EPA 624	-88	-88			
2014/15-3	MO-SIM	srgt matrix spike dup, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-SPA	srgt environ	12/18/2014	Organic	1,2-Dichloroethane-d4	n/a	=	62.5	µg/L	EPA 624	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/18/2014	Organic	1,2-Dichloroethane-d4	n/a	=	125	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-THO	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	52.5	µg/L	EPA 624	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	105	%	EPA 624	-88	-88	82	125	
2014/15-3	MO-VEN	srgt environ	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	58.5	µg/L	EPA 624	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/19/2014	Organic	1,2-Dichloroethane-d4	n/a	=	117	%	EPA 624	-88	-88	82	125	
2014/15-3	Lab	method blank	12/19/2014	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	method blank	12/22/2014	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	method blank	12/19/2014	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	1,3-Dichlorobenzene	n/a	=	16.5	µg/L	EPA 625	0.53	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	1,3-Dichlorobenzene	n/a	=	66	%	EPA 625	-88	-88	0.1	172	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	1,3-Dichlorobenzene	n/a	=	16.6	µg/L	EPA 625	0.53	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	1,3-Dichlorobenzene	n/a	=	66	%	EPA 625	-88	-88	0.1	172	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	1,3-Dichlorobenzene	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	1,3-Dichlorobenzene	n/a	=	15.3	µg/L	EPA 625	0.53	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	1,3-Dichlorobenzene	n/a	=	61	%	EPA 625	-88	-88	0.1	172	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	1,3-Dichlorobenzene	n/a	=	16	µg/L	EPA 625	0.53	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	1,3-Dichlorobenzene	n/a	=	64	%	EPA 625	-88	-88	0.1	172	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	1,3-Dichlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-3	000NONPJ	srgt matrix spike	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.372	µg/L	EPA 525.2m	-88	-88			GN
2014/15-3	000NONPJ	srgt matrix spike, rec	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	74	%	EPA 525.2m	-88	-88	76	128	GN
2014/15-3	000NONPJ	srgt matrix spike dup	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.395	µg/L	EPA 525.2m	-88	-88			
2014/15-3	000NONPJ	srgt matrix spike dup, rec	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	79	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	Lab	srgt method blank	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.374	µg/L	EPA 525.2m	-88	-88			GN
2014/15-3	Lab	srgt method blank, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	75	%	EPA 525.2m	-88	-88	76	128	GN
2014/15-3	Lab	srgt LCS	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.381	µg/L	EPA 525.2m	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	76	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	Lab	srgt method blank	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.395	µg/L	EPA 525.2m	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	79	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	Lab	srgt LCS	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.387	µg/L	EPA 525.2m	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	77	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	Lab	srgt method blank	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.81	µg/L	EPA 525.2	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	73	138	
2014/15-3	Lab	srgt LCS	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.9	µg/L	EPA 525.2	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2	-88	-88	73	138	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	srgt LCS dup	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.13	µg/L	EPA 525.2	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	73	138	
2014/15-3	ME-CC	srgt environ	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.376	µg/L	EPA 525.2m	-88	-88			GN
2014/15-3	ME-CC	srgt environ, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	75	%	EPA 525.2m	-88	-88	76	128	GN
2014/15-3	ME-CC	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.27	µg/L	EPA 525.2	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2014/15-3	ME-SCR	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.15	µg/L	EPA 525.2	-88	-88			
2014/15-3	ME-SCR	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2	-88	-88	73	138	
2014/15-3	ME-VR2	srgt environ	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.393	µg/L	EPA 525.2m	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	79	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	ME-VR2	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.51	µg/L	EPA 525.2	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	73	138	
2014/15-3	MO-CAM	srgt environ	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.381	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	76	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-CAM	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.06	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	73	138	
2014/15-3	MO-FIL	srgt environ	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.439	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	88	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-FIL	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.31	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	73	138	
2014/15-3	MO-HUE	srgt environ	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.432	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/23/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-HUE	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.76	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2	-88	-88	73	138	
2014/15-3	MO-MEI	srgt environ	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.414	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	83	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-MEI	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.12	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2	-88	-88	73	138	
2014/15-3	MO-MPK	srgt environ	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.429	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	86	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-MPK	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.08	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	73	138	
2014/15-3	MO-OJA	srgt environ	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.406	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	81	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-OJA	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.02	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2	-88	-88	73	138	
2014/15-3	MO-OXN	srgt environ	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.453	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-OXN	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.37	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	73	138	
2014/15-3	MO-SIM	srgt environ	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.457	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-SIM	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.08	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	73	138	
2014/15-3	MO-SPA	srgt environ	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.404	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	81	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-SPA	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.91	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-SPA	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	88	%	EPA 525.2	-88	-88	73	138	
2014/15-3	MO-THO	srgt environ	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.443	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-THO	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.02	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2	-88	-88	73	138	
2014/15-3	MO-VEN	srgt matrix spike	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.397	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-VEN	srgt matrix spike, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	79	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-VEN	srgt matrix spike dup	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.399	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-VEN	srgt matrix spike dup, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	80	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-VEN	srgt environ	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.418	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/20/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	84	%	EPA 525.2m	-88	-88	76	128	
2014/15-3	MO-VEN	srgt environ	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.06	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/24/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2	-88	-88	73	138	
2014/15-3	Lab	method blank	12/19/2014	Organic	1,4-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	1,4-Dichlorobenzene	n/a	=	17.8	µg/L	EPA 625	0.53	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	1,4-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	20	124	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	1,4-Dichlorobenzene	n/a	=	18	µg/L	EPA 625	0.53	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	1,4-Dichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	20	124	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	1,4-Dichlorobenzene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	1,4-Dichlorobenzene	n/a	=	16.1	µg/L	EPA 625	0.55	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	1,4-Dichlorobenzene	n/a	=	64	%	EPA 625	-88	-88	20	124	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	1,4-Dichlorobenzene	n/a	=	16.9	µg/L	EPA 625	0.55	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	1,4-Dichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	20	124	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	1,4-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	method blank	12/20/2014	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1			
2014/15-3	Lab	srgt method blank	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	37.2	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	74	%	EPA 625	-88	-88	25	102	
2014/15-3	Lab	srgt LCS	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	38.6	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 625	-88	-88	25	102	
2014/15-3	Lab	srgt LCS dup	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	42.4	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 625	-88	-88	25	102	
2014/15-3	Lab	srgt method blank	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	6.03	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	60	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	Lab	srgt LCS	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	7.25	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	Lab	srgt LCS dup	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	8.94	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	Lab	srgt method blank	12/22/2014	Organic	2,4,6-Tribromophenol	n/a	=	33.8	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/22/2014	Organic	2,4,6-Tribromophenol	n/a	=	68	%	EPA 625	-88	-88	25	102	
2014/15-3	Lab	srgt LCS	12/22/2014	Organic	2,4,6-Tribromophenol	n/a	=	34.6	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/22/2014	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625	-88	-88	25	102	
2014/15-3	Lab	srgt LCS dup	12/22/2014	Organic	2,4,6-Tribromophenol	n/a	=	39.6	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/22/2014	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625	-88	-88	25	102	
2014/15-3	ME-CC	srgt environ	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	34.4	µg/L	EPA 625	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	69	%	EPA 625	-88	-88	25	102	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	ME-CC	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	5.4	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	57	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	ME-VR2	srgt environ	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	46.4	µg/L	EPA 625	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	93	%	EPA 625	-88	-88	25	102	
2014/15-3	ME-VR2	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	9.34	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	93	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	MO-CAM	srgt environ	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	44	µg/L	EPA 625	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625	-88	-88	25	102	
2014/15-3	MO-CAM	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	10.1	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	106	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	MO-FIL	srgt environ	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	46.1	µg/L	EPA 625	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	92	%	EPA 625	-88	-88	25	102	
2014/15-3	MO-FIL	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	8.53	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	MO-HUE	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	10.2	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	102	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	MO-HUE	srgt environ	12/23/2014	Organic	2,4,6-Tribromophenol	n/a	=	40.1	µg/L	EPA 625	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/23/2014	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 625	-88	-88	25	102	
2014/15-3	MO-MEI	srgt environ	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	40.4	µg/L	EPA 625	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 625	-88	-88	25	102	
2014/15-3	MO-MEI	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	10.6	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	106	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	MO-MPK	srgt environ	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	31.9	µg/L	EPA 625	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	64	%	EPA 625	-88	-88	25	102	
2014/15-3	MO-MPK	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	4.37	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	44	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	MO-OJA	srgt environ	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	24.7	µg/L	EPA 625	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	49	%	EPA 625	-88	-88	25	102	
2014/15-3	MO-OJA	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	5.96	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	63	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	MO-OXN	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	10.6	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	106	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	MO-OXN	srgt environ	12/22/2014	Organic	2,4,6-Tribromophenol	n/a	=	37.5	µg/L	EPA 625	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/22/2014	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 625	-88	-88	25	102	
2014/15-3	MO-SIM	srgt environ	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	41.8	µg/L	EPA 625	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 625	-88	-88	25	102	
2014/15-3	MO-SIM	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	9.35	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	98	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	MO-SPA	srgt environ	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	27	µg/L	EPA 625	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	54	%	EPA 625	-88	-88	25	102	
2014/15-3	MO-SPA	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	10.4	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	104	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	MO-THO	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	6.16	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	62	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	MO-THO	srgt environ	12/22/2014	Organic	2,4,6-Tribromophenol	n/a	=	29.7	µg/L	EPA 625	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/22/2014	Organic	2,4,6-Tribromophenol	n/a	=	59	%	EPA 625	-88	-88	25	102	
2014/15-3	MO-VEN	srgt environ	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	44.7	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-VEN	srgt environ, rec	12/19/2014	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 625	-88	-88	25	102	
2014/15-3	MO-VEN	srgt environ	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	8.9	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/20/2014	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 8270Cm	-88	-88	26	117	
2014/15-3	Lab	method blank	12/19/2014	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	2,4,6-Trichlorophenol	n/a	=	19.6	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	2,4,6-Trichlorophenol	n/a	=	79	%	EPA 625	-88	-88	37	144	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	2,4,6-Trichlorophenol	n/a	=	20.9	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	2,4,6-Trichlorophenol	n/a	=	84	%	EPA 625	-88	-88	37	144	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	2,4,6-Trichlorophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-3	Lab	LCS	12/20/2014	Organic	2,4,6-Trichlorophenol	n/a	=	8.53	µg/L	EPA 8270Cm	0.3	1			
2014/15-3	Lab	LCS, rec	12/20/2014	Organic	2,4,6-Trichlorophenol	n/a	=	85	%	EPA 8270Cm	-88	-88	30	115	
2014/15-3	Lab	LCS dup	12/20/2014	Organic	2,4,6-Trichlorophenol	n/a	=	9.02	µg/L	EPA 8270Cm	0.3	1			
2014/15-3	Lab	LCS dup, rec	12/20/2014	Organic	2,4,6-Trichlorophenol	n/a	=	90	%	EPA 8270Cm	-88	-88	30	115	
2014/15-3	Lab	LCS, RPD	12/20/2014	Organic	2,4,6-Trichlorophenol	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	2,4,6-Trichlorophenol	n/a	=	18	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	2,4,6-Trichlorophenol	n/a	=	72	%	EPA 625	-88	-88	37	144	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	2,4,6-Trichlorophenol	n/a	=	17.9	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	2,4,6-Trichlorophenol	n/a	=	72	%	EPA 625	-88	-88	37	144	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	2,4,6-Trichlorophenol	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	2,4-Dichlorophenol	n/a	=	18.2	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	2,4-Dichlorophenol	n/a	=	73	%	EPA 625	-88	-88	39	135	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	2,4-Dichlorophenol	n/a	=	19.2	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	2,4-Dichlorophenol	n/a	=	77	%	EPA 625	-88	-88	39	135	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	2,4-Dichlorophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1			
2014/15-3	Lab	LCS	12/20/2014	Organic	2,4-Dichlorophenol	n/a	=	7.74	µg/L	EPA 8270Cm	0.51	1			
2014/15-3	Lab	LCS, rec	12/20/2014	Organic	2,4-Dichlorophenol	n/a	=	77	%	EPA 8270Cm	-88	-88	32	105	
2014/15-3	Lab	LCS dup	12/20/2014	Organic	2,4-Dichlorophenol	n/a	=	7.38	µg/L	EPA 8270Cm	0.51	1			
2014/15-3	Lab	LCS dup, rec	12/20/2014	Organic	2,4-Dichlorophenol	n/a	=	74	%	EPA 8270Cm	-88	-88	32	105	
2014/15-3	Lab	LCS, RPD	12/20/2014	Organic	2,4-Dichlorophenol	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	2,4-Dichlorophenol	n/a	=	17.7	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	2,4-Dichlorophenol	n/a	=	71	%	EPA 625	-88	-88	39	135	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	2,4-Dichlorophenol	n/a	=	18	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	2,4-Dichlorophenol	n/a	=	72	%	EPA 625	-88	-88	39	135	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	2,4-Dichlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-3	000NONPJ	srgt matrix spike	12/22/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.9	µg/L	EPA 515.3	-88	-88			
2014/15-3	000NONPJ	srgt matrix spike, rec	12/22/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	srgt matrix spike dup	12/22/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.82	µg/L	EPA 515.3	-88	-88			
2014/15-3	000NONPJ	srgt matrix spike dup, rec	12/22/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	srgt matrix spike	12/22/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.89	µg/L	EPA 515.3	-88	-88			
2014/15-3	000NONPJ	srgt matrix spike, rec	12/22/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	srgt matrix spike dup	12/22/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.89	µg/L	EPA 515.3	-88	-88			
2014/15-3	000NONPJ	srgt matrix spike dup, rec	12/22/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	89	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	000NONPJ	srgt matrix spike	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.62	µg/L	EPA 515.3	-88	-88			
2014/15-3	000NONPJ	srgt matrix spike, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	srgt matrix spike dup	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.17	µg/L	EPA 515.3	-88	-88			
2014/15-3	000NONPJ	srgt matrix spike dup, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-3	RC pipe at MPK	srgt environ	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.41	µg/L	EPA 515.3	-88	-88			
2014/15-3	RC pipe at MPK	srgt environ, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2014/15-3	RC Pipe at MPK	srgt environ	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2014/15-3	RC Pipe at MPK	srgt environ, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	srgt method blank	12/22/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.66	µg/L	EPA 515.3	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/22/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	srgt LCS	12/22/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.79	µg/L	EPA 515.3	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/22/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	srgt method blank	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.7	µg/L	EPA 515.3	-88	-88			
2014/15-3	Lab	srgt method blank, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	srgt LCS	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.81	µg/L	EPA 515.3	-88	-88			
2014/15-3	Lab	srgt LCS, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	srgt method blank	1/5/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	7.92	µg/L	EPA 515.3	-88	-88			
2014/15-3	Lab	srgt method blank, rec	1/5/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	79	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	srgt LCS	1/5/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2014/15-3	Lab	srgt LCS, rec	1/5/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-3	ME-CC	srgt environ	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.47	µg/L	EPA 515.3	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-3	ME-VR2	srgt environ	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.61	µg/L	EPA 515.3	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-CAM	srgt environ	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.45	µg/L	EPA 515.3	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-FIL	srgt environ	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.02	µg/L	EPA 515.3	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	80	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-HUE	srgt environ	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.81	µg/L	EPA 515.3	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MEI	srgt environ	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.32	µg/L	EPA 515.3	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	srgt matrix spike	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10	µg/L	EPA 515.3	-88	-88			
2014/15-3	MO-MPK	srgt matrix spike, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	srgt matrix spike dup	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.34	µg/L	EPA 515.3	-88	-88			
2014/15-3	MO-MPK	srgt matrix spike dup, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	srgt environ	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.31	µg/L	EPA 515.3	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-3	-MPK Upstream at	srgt environ	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.44	µg/L	EPA 515.3	-88	-88			
2014/15-3	-MPK Upstream at	srgt environ, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-OJA	srgt environ	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.59	µg/L	EPA 515.3	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-OXN	srgt environ	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.4	µg/L	EPA 515.3	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-SIM	srgt environ	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.11	µg/L	EPA 515.3	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	81	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-SPA	srgt environ	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.6	µg/L	EPA 515.3	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-SPA	srgt environ, rec	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-THO	srgt environ	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.33	µg/L	EPA 515.3	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	1/3/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-VEN	srgt environ	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	8.26	µg/L	EPA 515.3	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/23/2014	Organic	2,4-Dichlorophenylacetic acid	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	12/19/2014	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	2,4-Dimethylphenol	n/a	=	15.2	µg/L	EPA 625	0.3	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	2,4-Dimethylphenol	n/a	=	61	%	EPA 625	-88	-88	32	119	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	2,4-Dimethylphenol	n/a	=	14.8	µg/L	EPA 625	0.3	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	2,4-Dimethylphenol	n/a	=	59	%	EPA 625	-88	-88	32	119	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	2,4-Dimethylphenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-3	Lab	LCS	12/20/2014	Organic	2,4-Dimethylphenol	n/a	=	5.64	µg/L	EPA 8270Cm	1	2			
2014/15-3	Lab	LCS, rec	12/20/2014	Organic	2,4-Dimethylphenol	n/a	=	56	%	EPA 8270Cm	-88	-88	31	97	
2014/15-3	Lab	LCS dup	12/20/2014	Organic	2,4-Dimethylphenol	n/a	=	4.48	µg/L	EPA 8270Cm	1	2			
2014/15-3	Lab	LCS dup, rec	12/20/2014	Organic	2,4-Dimethylphenol	n/a	=	45	%	EPA 8270Cm	-88	-88	31	97	
2014/15-3	Lab	LCS, RPD	12/20/2014	Organic	2,4-Dimethylphenol	n/a	=	23	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	2,4-Dimethylphenol	n/a	=	15	µg/L	EPA 625	0.3	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	2,4-Dimethylphenol	n/a	=	60	%	EPA 625	-88	-88	32	119	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	2,4-Dimethylphenol	n/a	=	14.1	µg/L	EPA 625	0.3	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	2,4-Dimethylphenol	n/a	=	57	%	EPA 625	-88	-88	32	119	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	2,4-Dimethylphenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-3	Lab	LCS	12/19/2014	Organic	2,4-Dinitrophenol	n/a	=	17.9	µg/L	EPA 625	1.6	10			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	2,4-Dinitrophenol	n/a	=	72	%	EPA 625	-88	-88	0.1	191	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	2,4-Dinitrophenol	n/a	=	21.1	µg/L	EPA 625	1.6	10			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	2,4-Dinitrophenol	n/a	=	84	%	EPA 625	-88	-88	0.1	191	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	2,4-Dinitrophenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-3	Lab	LCS	12/20/2014	Organic	2,4-Dinitrophenol	n/a	=	7.16	µg/L	EPA 8270Cm	1	2			
2014/15-3	Lab	LCS, rec	12/20/2014	Organic	2,4-Dinitrophenol	n/a	=	72	%	EPA 8270Cm	-88	-88	7	155	
2014/15-3	Lab	LCS dup	12/20/2014	Organic	2,4-Dinitrophenol	n/a	=	9.75	µg/L	EPA 8270Cm	1	2			
2014/15-3	Lab	LCS dup, rec	12/20/2014	Organic	2,4-Dinitrophenol	n/a	=	98	%	EPA 8270Cm	-88	-88	7	155	
2014/15-3	Lab	LCS, RPD	12/20/2014	Organic	2,4-Dinitrophenol	n/a	=	31	%	EPA 8270Cm	-88	-88	0	30	IL
2014/15-3	Lab	method blank	12/22/2014	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-3	Lab	LCS	12/22/2014	Organic	2,4-Dinitrophenol	n/a	=	16.1	µg/L	EPA 625	1.6	10			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	2,4-Dinitrophenol	n/a	=	64	%	EPA 625	-88	-88	0.1	191	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	2,4-Dinitrophenol	n/a	=	18.6	µg/L	EPA 625	1.6	10			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	2,4-Dinitrophenol	n/a	=	74	%	EPA 625	-88	-88	0.1	191	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	2,4-Dinitrophenol	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	2,4-Dinitrotoluene	n/a	=	19.8	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	2,4-Dinitrotoluene	n/a	=	79	%	EPA 625	-88	-88	39	139	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	2,4-Dinitrotoluene	n/a	=	21.8	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	2,4-Dinitrotoluene	n/a	=	87	%	EPA 625	-88	-88	39	139	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	2,4-Dinitrotoluene	n/a	=	9	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	method blank	12/22/2014	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	2,4-Dinitrotoluene	n/a	=	18.3	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	2,4-Dinitrotoluene	n/a	=	73	%	EPA 625	-88	-88	39	139	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	2,4-Dinitrotoluene	n/a	=	21.1	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	2,4-Dinitrotoluene	n/a	=	84	%	EPA 625	-88	-88	39	139	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	2,4-Dinitrotoluene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	2,6-Dinitrotoluene	n/a	=	19.4	µg/L	EPA 625	0.27	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	2,6-Dinitrotoluene	n/a	=	78	%	EPA 625	-88	-88	50	158	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	2,6-Dinitrotoluene	n/a	=	21.6	µg/L	EPA 625	0.27	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	2,6-Dinitrotoluene	n/a	=	86	%	EPA 625	-88	-88	50	158	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	2,6-Dinitrotoluene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	2,6-Dinitrotoluene	n/a	=	17.6	µg/L	EPA 625	0.27	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	2,6-Dinitrotoluene	n/a	=	70	%	EPA 625	-88	-88	50	158	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	2,6-Dinitrotoluene	n/a	=	18.8	µg/L	EPA 625	0.27	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	2,6-Dinitrotoluene	n/a	=	75	%	EPA 625	-88	-88	50	158	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	2,6-Dinitrotoluene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	LCS	12/18/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	45.9	µg/L	EPA 624	0.28	1			
2014/15-3	Lab	LCS, rec	12/18/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	92	%	EPA 624	-88	-88	0.1	305	
2014/15-3	Lab	LCS dup	12/18/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	45.2	µg/L	EPA 624	0.28	1			
2014/15-3	Lab	LCS dup, rec	12/18/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	90	%	EPA 624	-88	-88	0.1	305	
2014/15-3	Lab	LCS, RPD	12/18/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	2	%	EPA 624	-88	-88	0	25	
2014/15-3	Lab	method blank	12/18/2014	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	47.8	µg/L	EPA 624	0.28	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	96	%	EPA 624	-88	-88	0.1	305	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	50	µg/L	EPA 624	0.28	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	100	%	EPA 624	-88	-88	0.1	305	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	4	%	EPA 624	-88	-88	0	25	
2014/15-3	Lab	method blank	12/19/2014	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2014/15-3	MO-SIM	matrix spike	12/19/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	44.6	µg/L	EPA 624	0.28	1			
2014/15-3	MO-SIM	matrix spike, rec	12/19/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	89	%	EPA 624	-88	-88	0.1	305	
2014/15-3	MO-SIM	matrix spike dup	12/19/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	43.2	µg/L	EPA 624	0.28	1			
2014/15-3	MO-SIM	matrix spike dup, rec	12/19/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	86	%	EPA 624	-88	-88	0.1	305	
2014/15-3	MO-SIM	matrix spike, RPD	12/19/2014	Organic	2-Chloroethyl vinyl ether	n/a	=	3	%	EPA 624	-88	-88	0	25	
2014/15-3	Lab	method blank	12/19/2014	Organic	2-Chloronaphthalene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	2-Chloronaphthalene	n/a	=	17.4	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	2-Chloronaphthalene	n/a	=	69	%	EPA 625	-88	-88	60	118	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	2-Chloronaphthalene	n/a	=	18.1	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	2-Chloronaphthalene	n/a	=	72	%	EPA 625	-88	-88	60	118	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	2-Chloronaphthalene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	2-Chloronaphthalene	n/a	=	15.9	µg/L	EPA 625	0.45	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	2-Chloronaphthalene	n/a	=	64	%	EPA 625	-88	-88	60	118	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	2-Chloronaphthalene	n/a	=	15.6	µg/L	EPA 625	0.45	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	2-Chloronaphthalene	n/a	=	63	%	EPA 625	-88	-88	60	118	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	2-Chloronaphthalene	n/a	=	2	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	method blank	12/19/2014	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	2-Chlorophenol	n/a	=	16.5	µg/L	EPA 625	0.28	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	2-Chlorophenol	n/a	=	66	%	EPA 625	-88	-88	23	134	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	2-Chlorophenol	n/a	=	16.3	µg/L	EPA 625	0.28	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	2-Chlorophenol	n/a	=	65	%	EPA 625	-88	-88	23	134	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	2-Chlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1			
2014/15-3	Lab	LCS	12/20/2014	Organic	2-Chlorophenol	n/a	=	6.8	µg/L	EPA 8270Cm	0.65	1			
2014/15-3	Lab	LCS, rec	12/20/2014	Organic	2-Chlorophenol	n/a	=	68	%	EPA 8270Cm	-88	-88	27	90	
2014/15-3	Lab	LCS dup	12/20/2014	Organic	2-Chlorophenol	n/a	=	6.61	µg/L	EPA 8270Cm	0.65	1			
2014/15-3	Lab	LCS dup, rec	12/20/2014	Organic	2-Chlorophenol	n/a	=	66	%	EPA 8270Cm	-88	-88	27	90	
2014/15-3	Lab	LCS, RPD	12/20/2014	Organic	2-Chlorophenol	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	2-Chlorophenol	n/a	=	15.3	µg/L	EPA 625	0.28	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	2-Chlorophenol	n/a	=	61	%	EPA 625	-88	-88	23	134	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	2-Chlorophenol	n/a	=	16.3	µg/L	EPA 625	0.28	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	2-Chlorophenol	n/a	=	65	%	EPA 625	-88	-88	23	134	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	2-Chlorophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	srgt method blank	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	18.7	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 625	-88	-88	22	107	
2014/15-3	Lab	srgt LCS	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	21.2	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	85	%	EPA 625	-88	-88	22	107	
2014/15-3	Lab	srgt LCS dup	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	21.2	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	85	%	EPA 625	-88	-88	22	107	
2014/15-3	Lab	srgt method blank	12/22/2014	Organic	2-Fluorobiphenyl	n/a	=	17.2	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/22/2014	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 625	-88	-88	22	107	
2014/15-3	Lab	srgt LCS	12/22/2014	Organic	2-Fluorobiphenyl	n/a	=	19	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/22/2014	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625	-88	-88	22	107	
2014/15-3	Lab	srgt LCS dup	12/22/2014	Organic	2-Fluorobiphenyl	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/22/2014	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625	-88	-88	22	107	
2014/15-3	Lab	srgt method blank	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	2.62	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	52	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	Lab	srgt LCS	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.48	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	Lab	srgt LCS dup	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.01	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	ME-CC	srgt environ	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	15	µg/L	EPA 625	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 625	-88	-88	22	107	
2014/15-3	ME-CC	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	1.63	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-3	ME-CC	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	34	%	EPA 8270Cm	-88	-88	51	139	GN
2014/15-3	ME-VR2	srgt environ	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	20.2	µg/L	EPA 625	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	81	%	EPA 625	-88	-88	22	107	
2014/15-3	ME-VR2	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.47	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	MO-CAM	srgt environ	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 625	-88	-88	22	107	
2014/15-3	MO-CAM	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.56	µg/L	EPA 8270Cm	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-CAM	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	MO-FIL	srgt environ	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	22	µg/L	EPA 625	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	88	%	EPA 625	-88	-88	22	107	
2014/15-3	MO-FIL	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.33	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	MO-HUE	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 625	-88	-88	22	107	
2014/15-3	MO-HUE	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	MO-MEI	srgt environ	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	19.6	µg/L	EPA 625	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 625	-88	-88	22	107	
2014/15-3	MO-MEI	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.13	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	MO-MPK	srgt environ	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	14.2	µg/L	EPA 625	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	57	%	EPA 625	-88	-88	22	107	
2014/15-3	MO-MPK	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	1.53	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-3	MO-MPK	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	31	%	EPA 8270Cm	-88	-88	51	139	GN
2014/15-3	MO-OJA	srgt environ	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	10.8	µg/L	EPA 625	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	43	%	EPA 625	-88	-88	22	107	
2014/15-3	MO-OJA	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.02	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	MO-OXN	srgt environ	12/22/2014	Organic	2-Fluorobiphenyl	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/22/2014	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	22	107	
2014/15-3	MO-OXN	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.49	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	MO-SIM	srgt environ	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	19.4	µg/L	EPA 625	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 625	-88	-88	22	107	
2014/15-3	MO-SIM	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.5	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	MO-SPA	srgt environ	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	11.4	µg/L	EPA 625	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	46	%	EPA 625	-88	-88	22	107	
2014/15-3	MO-SPA	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.7	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	74	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	MO-THO	srgt environ	12/22/2014	Organic	2-Fluorobiphenyl	n/a	=	13.8	µg/L	EPA 625	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/22/2014	Organic	2-Fluorobiphenyl	n/a	=	55	%	EPA 625	-88	-88	22	107	
2014/15-3	MO-THO	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.34	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	MO-VEN	srgt environ	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/19/2014	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 625	-88	-88	22	107	
2014/15-3	MO-VEN	srgt environ	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	3.55	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/23/2014	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 8270Cm	-88	-88	51	139	
2014/15-3	Lab	srgt method blank	12/19/2014	Organic	2-Fluorophenol	n/a	=	21.3	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2014/15-3	Lab	srgt LCS	12/19/2014	Organic	2-Fluorophenol	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2014/15-3	Lab	srgt LCS dup	12/19/2014	Organic	2-Fluorophenol	n/a	=	22	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	srgt method blank	12/20/2014	Organic	2-Fluorophenol	n/a	=	3.83	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	Lab	srgt LCS	12/20/2014	Organic	2-Fluorophenol	n/a	=	3.86	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	39	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	Lab	srgt LCS dup	12/20/2014	Organic	2-Fluorophenol	n/a	=	3.65	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	Lab	srgt method blank	12/22/2014	Organic	2-Fluorophenol	n/a	=	21.2	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/22/2014	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2014/15-3	Lab	srgt LCS	12/22/2014	Organic	2-Fluorophenol	n/a	=	20.7	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/22/2014	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2014/15-3	Lab	srgt LCS dup	12/22/2014	Organic	2-Fluorophenol	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/22/2014	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2014/15-3	ME-CC	srgt environ	12/19/2014	Organic	2-Fluorophenol	n/a	=	19.3	µg/L	EPA 625	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	3	74	
2014/15-3	ME-CC	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	3.03	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	32	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	ME-VR2	srgt environ	12/19/2014	Organic	2-Fluorophenol	n/a	=	21.5	µg/L	EPA 625	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2014/15-3	ME-VR2	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	4.04	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	40	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	MO-CAM	srgt environ	12/19/2014	Organic	2-Fluorophenol	n/a	=	17.4	µg/L	EPA 625	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	35	%	EPA 625	-88	-88	3	74	
2014/15-3	MO-CAM	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	4.15	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	44	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	MO-FIL	srgt environ	12/19/2014	Organic	2-Fluorophenol	n/a	=	22.7	µg/L	EPA 625	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2014/15-3	MO-FIL	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	4.51	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	45	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	MO-HUE	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	4.6	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	46	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	MO-HUE	srgt environ	12/23/2014	Organic	2-Fluorophenol	n/a	=	20.3	µg/L	EPA 625	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/23/2014	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2014/15-3	MO-MEI	srgt environ	12/19/2014	Organic	2-Fluorophenol	n/a	=	19.4	µg/L	EPA 625	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	39	%	EPA 625	-88	-88	3	74	
2014/15-3	MO-MEI	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	3.82	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	MO-MPK	srgt environ	12/19/2014	Organic	2-Fluorophenol	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	36	%	EPA 625	-88	-88	3	74	
2014/15-3	MO-MPK	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	3.82	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	38	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	MO-OJA	srgt environ	12/19/2014	Organic	2-Fluorophenol	n/a	=	16.5	µg/L	EPA 625	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	33	%	EPA 625	-88	-88	3	74	
2014/15-3	MO-OJA	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	3.76	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	40	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	MO-oxn	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	4.42	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-oxn	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	44	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	MO-oxn	srgt environ	12/22/2014	Organic	2-Fluorophenol	n/a	=	20.7	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-OXN	srgt environ, rec	12/22/2014	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2014/15-3	MO-SIM	srgt environ	12/19/2014	Organic	2-Fluorophenol	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2014/15-3	MO-SIM	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	4.54	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	48	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	MO-SPA	srgt environ	12/19/2014	Organic	2-Fluorophenol	n/a	=	12.3	µg/L	EPA 625	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	25	%	EPA 625	-88	-88	3	74	
2014/15-3	MO-SPA	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	5.05	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	50	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	MO-THO	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	3.61	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	36	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	MO-THO	srgt environ	12/22/2014	Organic	2-Fluorophenol	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/22/2014	Organic	2-Fluorophenol	n/a	=	40	%	EPA 625	-88	-88	3	74	
2014/15-3	MO-VEN	srgt environ	12/19/2014	Organic	2-Fluorophenol	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/19/2014	Organic	2-Fluorophenol	n/a	=	37	%	EPA 625	-88	-88	3	74	
2014/15-3	MO-VEN	srgt environ	12/20/2014	Organic	2-Fluorophenol	n/a	=	4.58	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/20/2014	Organic	2-Fluorophenol	n/a	=	46	%	EPA 8270Cm	-88	-88	11	62	
2014/15-3	Lab	method blank	12/23/2014	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	method blank	12/20/2014	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1			
2014/15-3	Lab	method blank	12/19/2014	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	2-Nitrophenol	n/a	=	18.1	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	2-Nitrophenol	n/a	=	72	%	EPA 625	-88	-88	29	182	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	2-Nitrophenol	n/a	=	19.1	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	2-Nitrophenol	n/a	=	76	%	EPA 625	-88	-88	29	182	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	2-Nitrophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1			
2014/15-3	Lab	LCS	12/20/2014	Organic	2-Nitrophenol	n/a	=	8.05	µg/L	EPA 8270Cm	0.71	1			
2014/15-3	Lab	LCS, rec	12/20/2014	Organic	2-Nitrophenol	n/a	=	80	%	EPA 8270Cm	-88	-88	33	103	
2014/15-3	Lab	LCS dup	12/20/2014	Organic	2-Nitrophenol	n/a	=	7.35	µg/L	EPA 8270Cm	0.71	1			
2014/15-3	Lab	LCS dup, rec	12/20/2014	Organic	2-Nitrophenol	n/a	=	74	%	EPA 8270Cm	-88	-88	33	103	
2014/15-3	Lab	LCS, RPD	12/20/2014	Organic	2-Nitrophenol	n/a	=	9	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	2-Nitrophenol	n/a	=	17.7	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	2-Nitrophenol	n/a	=	71	%	EPA 625	-88	-88	29	182	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	2-Nitrophenol	n/a	=	18.2	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	2-Nitrophenol	n/a	=	73	%	EPA 625	-88	-88	29	182	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	2-Nitrophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	0.67	µg/L	EPA 625	0.67	5			
2014/15-3	Lab	LCS	12/19/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	21.5	µg/L	EPA 625	0.67	5			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	86	%	EPA 625	-88	-88	0.1	262	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	25.4	µg/L	EPA 625	0.67	5			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	102	%	EPA 625	-88	-88	0.1	262	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	17	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2014/15-3	Lab	LCS	12/22/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	17.5	µg/L	EPA 625	1.2	5			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	70	%	EPA 625	-88	-88	0.1	262	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	20.2	µg/L	EPA 625	1.2	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	81	%	EPA 625	-88	-88	0.1	262	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-3	Lab	method blank	12/19/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.77	µg/L	EPA 625	0.77	5			
2014/15-3	Lab	LCS	12/19/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	20.6	µg/L	EPA 625	0.77	5			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	82	%	EPA 625	-88	-88	0.1	181	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.7	µg/L	EPA 625	0.77	5			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	95	%	EPA 625	-88	-88	0.1	181	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1			
2014/15-3	Lab	LCS	12/20/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8.76	µg/L	EPA 8270Cm	0.14	1			
2014/15-3	Lab	LCS, rec	12/20/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	88	%	EPA 8270Cm	-88	-88	33	118	
2014/15-3	Lab	LCS dup	12/20/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	12.5	µg/L	EPA 8270Cm	0.14	1			EUM
2014/15-3	Lab	LCS dup, rec	12/20/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	125	%	EPA 8270Cm	-88	-88	33	118	EUM
2014/15-3	Lab	LCS, RPD	12/20/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	35	%	EPA 8270Cm	-88	-88	0	30	IL
2014/15-3	Lab	method blank	12/22/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2014/15-3	Lab	LCS	12/22/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	17.9	µg/L	EPA 625	1.7	5			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	71	%	EPA 625	-88	-88	0.1	181	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	20.8	µg/L	EPA 625	1.7	5			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	83	%	EPA 625	-88	-88	0.1	181	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	srgt method blank	12/16/2014	Organic	4-Bromofluorobenzene	n/a	=	54	µg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/16/2014	Organic	4-Bromofluorobenzene	n/a	=	108	%	EPA 8015B	-88	-88	72	124	
2014/15-3	Lab	srgt LCS	12/16/2014	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/16/2014	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 8015B	-88	-88	72	124	
2014/15-3	Lab	srgt LCS dup	12/16/2014	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/16/2014	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015B	-88	-88	72	124	
2014/15-3	Lab	srgt method blank	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	47	µg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	94	%	EPA 8015B	-88	-88	72	124	
2014/15-3	Lab	srgt LCS	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015B	-88	-88	72	124	
2014/15-3	Lab	srgt LCS dup	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 8015B	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015B	-88	-88	72	124	
2014/15-3	Lab	srgt LCS	12/18/2014	Organic	4-Bromofluorobenzene	n/a	=	49.7	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/18/2014	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2014/15-3	Lab	srgt LCS dup	12/18/2014	Organic	4-Bromofluorobenzene	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/18/2014	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2014/15-3	Lab	srgt method blank	12/18/2014	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/18/2014	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 624	-88	-88	88	108	
2014/15-3	Lab	srgt LCS	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	52.1	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2014/15-3	Lab	srgt LCS dup	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2014/15-3	Lab	srgt method blank	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	43.8	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 624	-88	-88	88	108	
2014/15-3	ME-CC	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	43	µg/L	EPA 8015B	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 8015B	-88	-88	72	124	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	ME-CC	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	46.6	µg/L	EPA 624	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	93	%	EPA 624	-88	-88	88	108	
2014/15-3	ME-SCR	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015B	-88	-88			
2014/15-3	ME-SCR	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015B	-88	-88	72	124	
2014/15-3	ME-SCR	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	43.6	µg/L	EPA 624	-88	-88			GN
2014/15-3	ME-SCR	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	87	%	EPA 624	-88	-88	88	108	GN
2014/15-3	ME-VR2	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 8015B	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 8015B	-88	-88	72	124	
2014/15-3	ME-VR2	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	46.2	µg/L	EPA 624	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 624	-88	-88	88	108	
2014/15-3	MO-CAM	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015B	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015B	-88	-88	72	124	
2014/15-3	MO-CAM	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	44.8	µg/L	EPA 624	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 624	-88	-88	88	108	
2014/15-3	MO-FIL	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 8015B	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 8015B	-88	-88	72	124	
2014/15-3	MO-FIL	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2014/15-3	MO-HUE	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015B	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015B	-88	-88	72	124	
2014/15-3	MO-HUE	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	43.8	µg/L	EPA 624	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 624	-88	-88	88	108	
2014/15-3	MO-MEI	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 8015B	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015B	-88	-88	72	124	
2014/15-3	MO-MEI	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2014/15-3	MO-MPK	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015B	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015B	-88	-88	72	124	
2014/15-3	MO-MPK	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	49.7	µg/L	EPA 624	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2014/15-3	MO-OJA	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 8015B	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 8015B	-88	-88	72	124	
2014/15-3	MO-OJA	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	56.9	µg/L	EPA 624	-88	-88			GN
2014/15-3	MO-OJA	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	114	%	EPA 624	-88	-88	88	108	GN
2014/15-3	MO-OXN	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 8015B	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015B	-88	-88	72	124	
2014/15-3	MO-OXN	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	48.6	µg/L	EPA 624	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2014/15-3	MO-SIM	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015B	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015B	-88	-88	72	124	
2014/15-3	MO-SIM	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 624	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 624	-88	-88	88	108	
2014/15-3	MO-SIM	srgt matrix spike	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 624	-88	-88			
2014/15-3	MO-SIM	srgt matrix spike, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2014/15-3	MO-SIM	srgt matrix spike dup	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 624	-88	-88			
2014/15-3	MO-SIM	srgt matrix spike dup, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2014/15-3	MO-SPA	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	51	µg/L	EPA 8015B	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-SPA	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 8015B	-88	-88	72	124	
2014/15-3	MO-SPA	srgt environ	12/18/2014	Organic	4-Bromofluorobenzene	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/18/2014	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2014/15-3	MO-THO	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015B	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015B	-88	-88	72	124	
2014/15-3	MO-THO	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	45.2	µg/L	EPA 624	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 624	-88	-88	88	108	
2014/15-3	MO-VEN	srgt environ	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015B	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/17/2014	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015B	-88	-88	72	124	
2014/15-3	MO-VEN	srgt environ	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/19/2014	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2014/15-3	Lab	method blank	12/19/2014	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	17.4	µg/L	EPA 625	0.36	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	70	%	EPA 625	-88	-88	53	127	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	19	µg/L	EPA 625	0.36	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	76	%	EPA 625	-88	-88	53	127	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	15.3	µg/L	EPA 625	0.36	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	61	%	EPA 625	-88	-88	53	127	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	17	µg/L	EPA 625	0.36	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	68	%	EPA 625	-88	-88	53	127	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	4-Chloro-3-methylphenol	n/a	=	18.9	µg/L	EPA 625	0.23	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	4-Chloro-3-methylphenol	n/a	=	76	%	EPA 625	-88	-88	22	147	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	4-Chloro-3-methylphenol	n/a	=	20	µg/L	EPA 625	0.23	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	4-Chloro-3-methylphenol	n/a	=	80	%	EPA 625	-88	-88	22	147	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	4-Chloro-3-methylphenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1			
2014/15-3	Lab	LCS	12/20/2014	Organic	4-Chloro-3-methylphenol	n/a	=	7.88	µg/L	EPA 8270Cm	0.37	1			
2014/15-3	Lab	LCS, rec	12/20/2014	Organic	4-Chloro-3-methylphenol	n/a	=	79	%	EPA 8270Cm	-88	-88	29	108	
2014/15-3	Lab	LCS dup	12/20/2014	Organic	4-Chloro-3-methylphenol	n/a	=	8.22	µg/L	EPA 8270Cm	0.37	1			
2014/15-3	Lab	LCS dup, rec	12/20/2014	Organic	4-Chloro-3-methylphenol	n/a	=	82	%	EPA 8270Cm	-88	-88	29	108	
2014/15-3	Lab	LCS, RPD	12/20/2014	Organic	4-Chloro-3-methylphenol	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	4-Chloro-3-methylphenol	n/a	=	17.8	µg/L	EPA 625	0.23	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	4-Chloro-3-methylphenol	n/a	=	71	%	EPA 625	-88	-88	22	147	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	4-Chloro-3-methylphenol	n/a	=	17.8	µg/L	EPA 625	0.23	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	4-Chloro-3-methylphenol	n/a	=	71	%	EPA 625	-88	-88	22	147	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	4-Chloro-3-methylphenol	n/a	=	0.1	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.39	µg/L	EPA 625	0.39	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.8	µg/L	EPA 625	0.39	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	79	%	EPA 625	-88	-88	25	158	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.8	µg/L	EPA 625	0.39	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	83	%	EPA 625	-88	-88	25	158	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	5	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	method blank	12/22/2014	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	17.2	µg/L	EPA 625	0.41	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	69	%	EPA 625	-88	-88	25	158	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	17.8	µg/L	EPA 625	0.41	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	71	%	EPA 625	-88	-88	25	158	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-3	Lab	LCS	12/19/2014	Organic	4-Nitrophenol	n/a	=	6.39	µg/L	EPA 625	0.45	5			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	4-Nitrophenol	n/a	=	26	%	EPA 625	-88	-88	0.1	132	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	4-Nitrophenol	n/a	=	8.33	µg/L	EPA 625	0.45	5			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	4-Nitrophenol	n/a	=	33	%	EPA 625	-88	-88	0.1	132	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	4-Nitrophenol	n/a	=	26	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-3	Lab	LCS	12/20/2014	Organic	4-Nitrophenol	n/a	=	4.09	µg/L	EPA 8270Cm	1	2			
2014/15-3	Lab	LCS, rec	12/20/2014	Organic	4-Nitrophenol	n/a	=	41	%	EPA 8270Cm	-88	-88	6	46	
2014/15-3	Lab	LCS dup	12/20/2014	Organic	4-Nitrophenol	n/a	=	6.41	µg/L	EPA 8270Cm	1	2			EUM
2014/15-3	Lab	LCS dup, rec	12/20/2014	Organic	4-Nitrophenol	n/a	=	64	%	EPA 8270Cm	-88	-88	6	46	EUM
2014/15-3	Lab	LCS, RPD	12/20/2014	Organic	4-Nitrophenol	n/a	=	44	%	EPA 8270Cm	-88	-88	0	30	IL
2014/15-3	Lab	method blank	12/22/2014	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-3	Lab	LCS	12/22/2014	Organic	4-Nitrophenol	n/a	=	7.27	µg/L	EPA 625	0.45	5			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	4-Nitrophenol	n/a	=	29	%	EPA 625	-88	-88	0.1	132	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	4-Nitrophenol	n/a	=	8.52	µg/L	EPA 625	0.45	5			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	4-Nitrophenol	n/a	=	34	%	EPA 625	-88	-88	0.1	132	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	4-Nitrophenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Acenaphthene	n/a	=	20.2	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Acenaphthene	n/a	=	81	%	EPA 625	-88	-88	47	145	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Acenaphthene	n/a	=	20.6	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Acenaphthene	n/a	=	83	%	EPA 625	-88	-88	47	145	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Acenaphthene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Acenaphthene	n/a	=	17.4	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Acenaphthene	n/a	=	70	%	EPA 625	-88	-88	47	145	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Acenaphthene	n/a	=	18	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Acenaphthene	n/a	=	72	%	EPA 625	-88	-88	47	145	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Acenaphthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Acenaphthene	n/a	=	7.39	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Acenaphthene	n/a	=	74	%	EPA 8270Cm	-88	-88	11	122	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Acenaphthene	n/a	=	6.86	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Acenaphthene	n/a	=	69	%	EPA 8270Cm	-88	-88	11	122	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Acenaphthene	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Acenaphthylene	n/a	=	21.3	µg/L	EPA 625	0.4	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Acenaphthylene	n/a	=	85	%	EPA 625	-88	-88	33	145	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Acenaphthylene	n/a	=	22.7	µg/L	EPA 625	0.4	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Acenaphthylene	n/a	=	91	%	EPA 625	-88	-88	33	145	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Acenaphthylene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Acenaphthylene	n/a	=	19.1	µg/L	EPA 625	0.4	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Acenaphthylene	n/a	=	76	%	EPA 625	-88	-88	33	145	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Acenaphthylene	n/a	=	19.2	µg/L	EPA 625	0.4	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Acenaphthylene	n/a	=	77	%	EPA 625	-88	-88	33	145	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Acenaphthylene	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Acenaphthylene	n/a	=	8.05	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Acenaphthylene	n/a	=	81	%	EPA 8270Cm	-88	-88	4	135	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Acenaphthylene	n/a	=	7.14	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Acenaphthylene	n/a	=	71	%	EPA 8270Cm	-88	-88	4	135	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Acenaphthylene	n/a	=	12	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Anthracene	n/a	=	20.5	µg/L	EPA 625	0.34	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Anthracene	n/a	=	82	%	EPA 625	-88	-88	27	133	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Anthracene	n/a	=	21.3	µg/L	EPA 625	0.34	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Anthracene	n/a	=	85	%	EPA 625	-88	-88	27	133	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Anthracene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Anthracene	n/a	=	17.4	µg/L	EPA 625	0.34	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Anthracene	n/a	=	70	%	EPA 625	-88	-88	27	133	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Anthracene	n/a	=	20.2	µg/L	EPA 625	0.34	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Anthracene	n/a	=	81	%	EPA 625	-88	-88	27	133	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Anthracene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Anthracene	n/a	=	7.62	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Anthracene	n/a	=	76	%	EPA 8270Cm	-88	-88	22	127	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Anthracene	n/a	=	7.33	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Anthracene	n/a	=	73	%	EPA 8270Cm	-88	-88	22	127	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Anthracene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Benz(a)anthracene	n/a	=	21.8	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Benz(a)anthracene	n/a	=	87	%	EPA 625	-88	-88	33	143	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Benz(a)anthracene	n/a	=	24.2	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Benz(a)anthracene	n/a	=	97	%	EPA 625	-88	-88	33	143	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Benz(a)anthracene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Benz(a)anthracene	n/a	=	17.4	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Benz(a)anthracene	n/a	=	70	%	EPA 625	-88	-88	33	143	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Benz(a)anthracene	n/a	=	21.8	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Benz(a)anthracene	n/a	=	87	%	EPA 625	-88	-88	33	143	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Benz(a)anthracene	n/a	=	22	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Benz(a)anthracene	n/a	=	11.4	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Benz(a)anthracene	n/a	=	114	%	EPA 8270Cm	-88	-88	17	131	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Benz(a)anthracene	n/a	=	8.66	µg/L	EPA 8270Cm	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Benz(a)anthracene	n/a	=	87	%	EPA 8270Cm	-88	-88	17	131	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Benz(a)anthracene	n/a	=	28	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Benzidine	n/a	<	0.7	µg/L	EPA 625	0.7	5			
2014/15-3	Lab	method blank	12/22/2014	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2014/15-3	Lab	method blank	12/19/2014	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Benzo(a)pyrene	n/a	=	19.9	µg/L	EPA 625	0.13	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Benzo(a)pyrene	n/a	=	80	%	EPA 625	-88	-88	17	163	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Benzo(a)pyrene	n/a	=	21.1	µg/L	EPA 625	0.13	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Benzo(a)pyrene	n/a	=	84	%	EPA 625	-88	-88	17	163	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Benzo(a)pyrene	n/a	=	12.3	µg/L	EPA 625	0.13	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Benzo(a)pyrene	n/a	=	49	%	EPA 625	-88	-88	17	163	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Benzo(a)pyrene	n/a	=	15.1	µg/L	EPA 625	0.13	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Benzo(a)pyrene	n/a	=	60	%	EPA 625	-88	-88	17	163	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Benzo(a)pyrene	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Benzo(a)pyrene	n/a	=	4.87	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Benzo(a)pyrene	n/a	=	49	%	EPA 8270Cm	-88	-88	12	131	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Benzo(a)pyrene	n/a	=	5.57	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Benzo(a)pyrene	n/a	=	56	%	EPA 8270Cm	-88	-88	12	131	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Benzo(a)pyrene	n/a	=	13	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Benzo(a)pyrene	n/a	=	3.49	µg/L	EPA 525.2	0.07	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Benzo(a)pyrene	n/a	=	70	%	EPA 525.2	-88	-88	40	147	
2014/15-3	Lab	LCS dup	12/24/2014	Organic	Benzo(a)pyrene	n/a	=	3.57	µg/L	EPA 525.2	0.07	0.1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Organic	Benzo(a)pyrene	n/a	=	71	%	EPA 525.2	-88	-88	40	147	
2014/15-3	Lab	LCS, RPD	12/24/2014	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Benzo(b)fluoranthene	n/a	=	21.7	µg/L	EPA 625	0.14	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Benzo(b)fluoranthene	n/a	=	87	%	EPA 625	-88	-88	24	159	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Benzo(b)fluoranthene	n/a	=	22.2	µg/L	EPA 625	0.14	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Benzo(b)fluoranthene	n/a	=	89	%	EPA 625	-88	-88	24	159	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Benzo(b)fluoranthene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Benzo(b)fluoranthene	n/a	=	13.6	µg/L	EPA 625	0.14	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Benzo(b)fluoranthene	n/a	=	54	%	EPA 625	-88	-88	24	159	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Benzo(b)fluoranthene	n/a	=	16.6	µg/L	EPA 625	0.14	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Benzo(b)fluoranthene	n/a	=	67	%	EPA 625	-88	-88	24	159	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Benzo(b)fluoranthene	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Benzo(b)fluoranthene	n/a	=	6.12	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Benzo(b)fluoranthene	n/a	=	61	%	EPA 8270Cm	-88	-88	19	129	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Benzo(b)fluoranthene	n/a	=	6.3	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Benzo(b)fluoranthene	n/a	=	63	%	EPA 8270Cm	-88	-88	19	129	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Benzo(b)fluoranthene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS	12/19/2014	Organic	Benzo(g,h,i)perylene	n/a	=	12	µg/L	EPA 625	0.1	2			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Benzo(g,h,i)perylene	n/a	=	48	%	EPA 625	-88	-88	0.1	219	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Benzo(g,h,i)perylene	n/a	=	10.9	µg/L	EPA 625	0.1	2			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Benzo(g,h,i)perylene	n/a	=	44	%	EPA 625	-88	-88	0.1	219	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Benzo(g,h,i)perylene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-3	Lab	LCS	12/22/2014	Organic	Benzo(g,h,i)perylene	n/a	=	7.81	µg/L	EPA 625	0.1	2			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Benzo(g,h,i)perylene	n/a	=	31	%	EPA 625	-88	-88	0.1	219	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Benzo(g,h,i)perylene	n/a	=	8.88	µg/L	EPA 625	0.1	2			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Benzo(g,h,i)perylene	n/a	=	36	%	EPA 625	-88	-88	0.1	219	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Benzo(g,h,i)perylene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Benzo(g,h,i)perylene	n/a	=	5.03	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Benzo(g,h,i)perylene	n/a	=	50	%	EPA 8270Cm	-88	-88	14	139	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Benzo(g,h,i)perylene	n/a	=	6.98	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Benzo(g,h,i)perylene	n/a	=	70	%	EPA 8270Cm	-88	-88	14	139	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Benzo(g,h,i)perylene	n/a	=	33	%	EPA 8270Cm	-88	-88	0	30	IL
2014/15-3	Lab	method blank	12/19/2014	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Benzo(k)fluoranthene	n/a	=	24.8	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Benzo(k)fluoranthene	n/a	=	99	%	EPA 625	-88	-88	11	162	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Benzo(k)fluoranthene	n/a	=	27	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Benzo(k)fluoranthene	n/a	=	108	%	EPA 625	-88	-88	11	162	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Benzo(k)fluoranthene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Benzo(k)fluoranthene	n/a	=	14	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Benzo(k)fluoranthene	n/a	=	56	%	EPA 625	-88	-88	11	162	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Benzo(k)fluoranthene	n/a	=	17.7	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Benzo(k)fluoranthene	n/a	=	71	%	EPA 625	-88	-88	11	162	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Benzo(k)fluoranthene	n/a	=	23	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Benzo(k)fluoranthene	n/a	=	5.56	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Benzo(k)fluoranthene	n/a	=	56	%	EPA 8270Cm	-88	-88	22	127	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Benzo(k)fluoranthene	n/a	=	6.27	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Benzo(k)fluoranthene	n/a	=	63	%	EPA 8270Cm	-88	-88	22	127	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Benzo(k)fluoranthene	n/a	=	12	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	18.4	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	74	%	EPA 625	-88	-88	33	184	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.1	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	76	%	EPA 625	-88	-88	33	184	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	17.6	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	70	%	EPA 625	-88	-88	33	184	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	18.3	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	73	%	EPA 625	-88	-88	33	184	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	4	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	method blank	12/19/2014	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	17.5	µg/L	EPA 625	0.27	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	70	%	EPA 625	-88	-88	12	158	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	17.8	µg/L	EPA 625	0.27	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	71	%	EPA 625	-88	-88	12	158	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	16.5	µg/L	EPA 625	0.27	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	66	%	EPA 625	-88	-88	12	158	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	17.4	µg/L	EPA 625	0.27	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	70	%	EPA 625	-88	-88	12	158	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.3	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	77	%	EPA 625	-88	-88	36	166	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.4	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	78	%	EPA 625	-88	-88	36	166	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	17.9	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	72	%	EPA 625	-88	-88	36	166	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.8	µg/L	EPA 625	0.38	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	75	%	EPA 625	-88	-88	36	166	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-3	Lab	LCS	12/23/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.85	µg/L	EPA 525.2	0.1	5			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	97	%	EPA 525.2	-88	-88	71	158	
2014/15-3	Lab	LCS dup	12/24/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.78	µg/L	EPA 525.2	0.1	5			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	96	%	EPA 525.2	-88	-88	71	158	
2014/15-3	Lab	LCS, RPD	12/24/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.04	µg/L	EPA 625	0.96	4			
2014/15-3	Lab	LCS	12/19/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	22.3	µg/L	EPA 625	0.96	4			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	89	%	EPA 625	-88	-88	8	158	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	24.4	µg/L	EPA 625	0.96	4			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	97	%	EPA 625	-88	-88	8	158	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	DNQ	3.51	µg/L	EPA 625	2.3	5			
2014/15-3	Lab	LCS	12/22/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	19.4	µg/L	EPA 625	2.3	5			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	78	%	EPA 625	-88	-88	8	158	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	23.5	µg/L	EPA 625	2.3	5			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	94	%	EPA 625	-88	-88	8	158	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-3	Lab	LCS	12/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.06	µg/L	EPA 525.2	1.1	3			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	101	%	EPA 525.2	-88	-88	68	154	
2014/15-3	Lab	LCS dup	12/24/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.95	µg/L	EPA 525.2	1.1	3			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	99	%	EPA 525.2	-88	-88	68	154	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS, RPD	12/24/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Butyl benzyl phthalate	n/a	=	21.3	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Butyl benzyl phthalate	n/a	=	85	%	EPA 625	-88	-88	0.1	152	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Butyl benzyl phthalate	n/a	=	22.7	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Butyl benzyl phthalate	n/a	=	91	%	EPA 625	-88	-88	0.1	152	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Butyl benzyl phthalate	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Butyl benzyl phthalate	n/a	=	18	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Butyl benzyl phthalate	n/a	=	72	%	EPA 625	-88	-88	0.1	152	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Butyl benzyl phthalate	n/a	=	21.7	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Butyl benzyl phthalate	n/a	=	87	%	EPA 625	-88	-88	0.1	152	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Butyl benzyl phthalate	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Chrysene	n/a	=	22	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Chrysene	n/a	=	88	%	EPA 625	-88	-88	17	168	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Chrysene	n/a	=	22.9	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Chrysene	n/a	=	92	%	EPA 625	-88	-88	17	168	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Chrysene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Chrysene	n/a	=	17.8	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Chrysene	n/a	=	71	%	EPA 625	-88	-88	17	168	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Chrysene	n/a	=	21.7	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Chrysene	n/a	=	87	%	EPA 625	-88	-88	17	168	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Chrysene	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Chrysene	n/a	=	8.01	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Chrysene	n/a	=	80	%	EPA 8270Cm	-88	-88	32	126	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Chrysene	n/a	=	8.01	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Chrysene	n/a	=	80	%	EPA 8270Cm	-88	-88	32	126	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Chrysene	n/a	=	0.1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-3	Lab	LCS	12/19/2014	Organic	Dibenz(a,h)anthracene	n/a	=	13	µg/L	EPA 625	0.08	2			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Dibenz(a,h)anthracene	n/a	=	52	%	EPA 625	-88	-88	0.1	227	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Dibenz(a,h)anthracene	n/a	=	12.4	µg/L	EPA 625	0.08	2			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Dibenz(a,h)anthracene	n/a	=	50	%	EPA 625	-88	-88	0.1	227	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Dibenz(a,h)anthracene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-3	Lab	LCS	12/22/2014	Organic	Dibenz(a,h)anthracene	n/a	=	8.51	µg/L	EPA 625	0.08	2			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Dibenz(a,h)anthracene	n/a	=	34	%	EPA 625	-88	-88	0.1	227	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Dibenz(a,h)anthracene	n/a	=	9.76	µg/L	EPA 625	0.08	2			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Dibenz(a,h)anthracene	n/a	=	39	%	EPA 625	-88	-88	0.1	227	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Dibenz(a,h)anthracene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Dibenz(a,h)anthracene	n/a	=	4.99	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Dibenz(a,h)anthracene	n/a	=	50	%	EPA 8270Cm	-88	-88	9	147	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Dibenz(a,h)anthracene	n/a	=	6.77	µg/L	EPA 8270Cm	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Dibenz(a,h)anthracene	n/a	=	68	%	EPA 8270Cm	-88	-88	9	147	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Dibenz(a,h)anthracene	n/a	=	30	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Diethyl phthalate	n/a	=	21	µg/L	EPA 625	0.15	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Diethyl phthalate	n/a	=	84	%	EPA 625	-88	-88	0.1	114	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Diethyl phthalate	n/a	=	21.9	µg/L	EPA 625	0.15	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Diethyl phthalate	n/a	=	88	%	EPA 625	-88	-88	0.1	114	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Diethyl phthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Diethyl phthalate	n/a	=	18.1	µg/L	EPA 625	0.15	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Diethyl phthalate	n/a	=	73	%	EPA 625	-88	-88	0.1	114	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Diethyl phthalate	n/a	=	21.1	µg/L	EPA 625	0.15	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Diethyl phthalate	n/a	=	84	%	EPA 625	-88	-88	0.1	114	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Diethyl phthalate	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Dimethyl phthalate	n/a	=	21	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Dimethyl phthalate	n/a	=	84	%	EPA 625	-88	-88	0.1	112	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Dimethyl phthalate	n/a	=	22.6	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Dimethyl phthalate	n/a	=	90	%	EPA 625	-88	-88	0.1	112	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Dimethyl phthalate	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Dimethyl phthalate	n/a	=	18.7	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Dimethyl phthalate	n/a	=	75	%	EPA 625	-88	-88	0.1	112	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Dimethyl phthalate	n/a	=	20.1	µg/L	EPA 625	0.18	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Dimethyl phthalate	n/a	=	80	%	EPA 625	-88	-88	0.1	112	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Dimethyl phthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Di-n-butylphthalate	n/a	=	21.6	µg/L	EPA 625	0.24	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Di-n-butylphthalate	n/a	=	86	%	EPA 625	-88	-88	1	118	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Di-n-butylphthalate	n/a	=	21.6	µg/L	EPA 625	0.24	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Di-n-butylphthalate	n/a	=	86	%	EPA 625	-88	-88	1	118	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Di-n-butylphthalate	n/a	=	0.3	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Di-n-butylphthalate	n/a	=	17.8	µg/L	EPA 625	0.24	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Di-n-butylphthalate	n/a	=	71	%	EPA 625	-88	-88	1	118	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Di-n-butylphthalate	n/a	=	21.3	µg/L	EPA 625	0.24	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Di-n-butylphthalate	n/a	=	85	%	EPA 625	-88	-88	1	118	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Di-n-butylphthalate	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Di-n-octylphthalate	n/a	=	21.8	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Di-n-octylphthalate	n/a	=	87	%	EPA 625	-88	-88	4	146	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Di-n-octylphthalate	n/a	=	22.2	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Di-n-octylphthalate	n/a	=	89	%	EPA 625	-88	-88	4	146	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Di-n-octylphthalate	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Di-n-octylphthalate	n/a	=	16.5	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Di-n-octylphthalate	n/a	=	66	%	EPA 625	-88	-88	4	146	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Di-n-octylphthalate	n/a	=	20.1	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Di-n-octylphthalate	n/a	=	80	%	EPA 625	-88	-88	4	146	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Di-n-octylphthalate	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Fluoranthene	n/a	=	21.8	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Fluoranthene	n/a	=	87	%	EPA 625	-88	-88	26	137	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Fluoranthene	n/a	=	22.9	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Fluoranthene	n/a	=	92	%	EPA 625	-88	-88	26	137	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Fluoranthene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Fluoranthene	n/a	=	18.3	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Fluoranthene	n/a	=	73	%	EPA 625	-88	-88	26	137	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Fluoranthene	n/a	=	21.9	µg/L	EPA 625	0.22	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Fluoranthene	n/a	=	88	%	EPA 625	-88	-88	26	137	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Fluoranthene	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Fluoranthene	n/a	=	10.4	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Fluoranthene	n/a	=	104	%	EPA 8270Cm	-88	-88	22	131	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Fluoranthene	n/a	=	8.79	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Fluoranthene	n/a	=	88	%	EPA 8270Cm	-88	-88	22	131	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Fluoranthene	n/a	=	17	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Fluorene	n/a	=	20.4	µg/L	EPA 625	0.35	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Fluorene	n/a	=	82	%	EPA 625	-88	-88	59	121	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Fluorene	n/a	=	21.4	µg/L	EPA 625	0.35	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Fluorene	n/a	=	86	%	EPA 625	-88	-88	59	121	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Fluorene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Fluorene	n/a	=	17.9	µg/L	EPA 625	0.35	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Fluorene	n/a	=	71	%	EPA 625	-88	-88	59	121	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Fluorene	n/a	=	19	µg/L	EPA 625	0.35	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Fluorene	n/a	=	76	%	EPA 625	-88	-88	59	121	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Fluorene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Fluorene	n/a	=	7.63	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Fluorene	n/a	=	76	%	EPA 8270Cm	-88	-88	19	122	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Fluorene	n/a	=	7.01	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Fluorene	n/a	=	70	%	EPA 8270Cm	-88	-88	19	122	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Fluorene	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Hexachlorobenzene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Hexachlorobenzene	n/a	=	20.7	µg/L	EPA 625	0.35	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Hexachlorobenzene	n/a	=	83	%	EPA 625	-88	-88	0.1	152	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Hexachlorobenzene	n/a	=	22	µg/L	EPA 625	0.35	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Hexachlorobenzene	n/a	=	88	%	EPA 625	-88	-88	0.1	152	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Hexachlorobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Hexachlorobenzene	n/a	=	17.6	µg/L	EPA 625	0.49	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Hexachlorobenzene	n/a	=	70	%	EPA 625	-88	-88	0.1	152	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Hexachlorobenzene	n/a	=	20.4	µg/L	EPA 625	0.49	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Hexachlorobenzene	n/a	=	82	%	EPA 625	-88	-88	0.1	152	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Hexachlorobenzene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Hexachlorobutadiene	n/a	=	20.2	µg/L	EPA 625	0.47	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Hexachlorobutadiene	n/a	=	81	%	EPA 625	-88	-88	24	116	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Hexachlorobutadiene	n/a	=	20	µg/L	EPA 625	0.47	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Hexachlorobutadiene	n/a	=	80	%	EPA 625	-88	-88	24	116	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Hexachlorobutadiene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Hexachlorobutadiene	n/a	=	17.9	µg/L	EPA 625	0.47	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Hexachlorobutadiene	n/a	=	72	%	EPA 625	-88	-88	24	116	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Hexachlorobutadiene	n/a	=	18	µg/L	EPA 625	0.47	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Hexachlorobutadiene	n/a	=	72	%	EPA 625	-88	-88	24	116	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Hexachlorobutadiene	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-3	Lab	LCS	12/19/2014	Organic	Hexachlorocyclopentadiene	n/a	=	13.7	µg/L	EPA 625	1.5	5			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Hexachlorocyclopentadiene	n/a	=	55	%	EPA 625	-88	-88	0.1	81	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Hexachlorocyclopentadiene	n/a	=	15.6	µg/L	EPA 625	1.5	5			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Hexachlorocyclopentadiene	n/a	=	62	%	EPA 625	-88	-88	0.1	81	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Hexachlorocyclopentadiene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-3	Lab	LCS	12/22/2014	Organic	Hexachlorocyclopentadiene	n/a	=	14.9	µg/L	EPA 625	1.5	5			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Hexachlorocyclopentadiene	n/a	=	60	%	EPA 625	-88	-88	0.1	81	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Hexachlorocyclopentadiene	n/a	=	15.1	µg/L	EPA 625	1.5	5			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Hexachlorocyclopentadiene	n/a	=	60	%	EPA 625	-88	-88	0.1	81	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Hexachlorocyclopentadiene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Hexachloroethane	n/a	<	0.51	µg/L	EPA 625	0.51	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Hexachloroethane	n/a	=	18.9	µg/L	EPA 625	0.51	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Hexachloroethane	n/a	=	76	%	EPA 625	-88	-88	40	113	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Hexachloroethane	n/a	=	18.6	µg/L	EPA 625	0.51	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Hexachloroethane	n/a	=	74	%	EPA 625	-88	-88	40	113	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Hexachloroethane	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Hexachloroethane	n/a	=	17.2	µg/L	EPA 625	0.52	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Hexachloroethane	n/a	=	69	%	EPA 625	-88	-88	40	113	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Hexachloroethane	n/a	=	17.6	µg/L	EPA 625	0.52	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Hexachloroethane	n/a	=	70	%	EPA 625	-88	-88	40	113	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Hexachloroethane	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-3	Lab	LCS	12/19/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	13.1	µg/L	EPA 625	0.12	2			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	53	%	EPA 625	-88	-88	0.1	171	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	12.5	µg/L	EPA 625	0.12	2			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	50	%	EPA 625	-88	-88	0.1	171	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS	12/22/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.55	µg/L	EPA 625	0.12	2			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	34	%	EPA 625	-88	-88	0.1	171	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.94	µg/L	EPA 625	0.12	2			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	40	%	EPA 625	-88	-88	0.1	171	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	5.55	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	55	%	EPA 8270Cm	-88	-88	12	136	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	7.27	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	73	%	EPA 8270Cm	-88	-88	12	136	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	27	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Isophorone	n/a	=	18.3	µg/L	EPA 625	0.21	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Isophorone	n/a	=	73	%	EPA 625	-88	-88	21	196	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Isophorone	n/a	=	19	µg/L	EPA 625	0.21	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Isophorone	n/a	=	76	%	EPA 625	-88	-88	21	196	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Isophorone	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Isophorone	n/a	=	16.8	µg/L	EPA 625	0.21	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Isophorone	n/a	=	67	%	EPA 625	-88	-88	21	196	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Isophorone	n/a	=	17.5	µg/L	EPA 625	0.21	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Isophorone	n/a	=	70	%	EPA 625	-88	-88	21	196	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Isophorone	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	LCS	12/18/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	49.7	µg/L	EPA 624	0.25	1			
2014/15-3	Lab	LCS, rec	12/18/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	99	%	EPA 624	-88	-88	80	128	
2014/15-3	Lab	LCS dup	12/18/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	47.4	µg/L	EPA 624	0.25	1			
2014/15-3	Lab	LCS dup, rec	12/18/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	95	%	EPA 624	-88	-88	80	128	
2014/15-3	Lab	LCS, RPD	12/18/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	5	%	EPA 624	-88	-88	0	25	
2014/15-3	Lab	method blank	12/18/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	49.7	µg/L	EPA 624	0.25	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	99	%	EPA 624	-88	-88	80	128	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	54	µg/L	EPA 624	0.25	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	108	%	EPA 624	-88	-88	80	128	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	8	%	EPA 624	-88	-88	0	25	
2014/15-3	Lab	method blank	12/19/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2014/15-3	MO-SIM	matrix spike	12/19/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	48.7	µg/L	EPA 624	0.25	1			
2014/15-3	MO-SIM	matrix spike, rec	12/19/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	97	%	EPA 624	-88	-88	80	128	
2014/15-3	MO-SIM	matrix spike dup	12/19/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	47.4	µg/L	EPA 624	0.25	1			
2014/15-3	MO-SIM	matrix spike dup, rec	12/19/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	95	%	EPA 624	-88	-88	80	128	
2014/15-3	MO-SIM	matrix spike, RPD	12/19/2014	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	3	%	EPA 624	-88	-88	0	25	
2014/15-3	Lab	method blank	12/19/2014	Organic	Naphthalene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Naphthalene	n/a	=	19.8	µg/L	EPA 625	0.47	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Naphthalene	n/a	=	79	%	EPA 625	-88	-88	21	133	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Naphthalene	n/a	=	19.8	µg/L	EPA 625	0.47	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Naphthalene	n/a	=	79	%	EPA 625	-88	-88	21	133	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Naphthalene	n/a	=	0.05	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS	12/22/2014	Organic	Naphthalene	n/a	=	17.5	µg/L	EPA 625	0.49	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Naphthalene	n/a	=	70	%	EPA 625	-88	-88	21	133	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Naphthalene	n/a	=	17.7	µg/L	EPA 625	0.49	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Naphthalene	n/a	=	71	%	EPA 625	-88	-88	21	133	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Naphthalene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Naphthalene	n/a	=	7.07	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Naphthalene	n/a	=	71	%	EPA 8270Cm	-88	-88	12	136	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Naphthalene	n/a	=	6.98	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Naphthalene	n/a	=	70	%	EPA 8270Cm	-88	-88	12	136	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Naphthalene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Nitrobenzene	n/a	=	18.8	µg/L	EPA 625	0.36	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Nitrobenzene	n/a	=	75	%	EPA 625	-88	-88	35	180	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Nitrobenzene	n/a	=	19.4	µg/L	EPA 625	0.36	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Nitrobenzene	n/a	=	77	%	EPA 625	-88	-88	35	180	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Nitrobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Nitrobenzene	n/a	=	17.2	µg/L	EPA 625	0.36	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Nitrobenzene	n/a	=	69	%	EPA 625	-88	-88	35	180	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Nitrobenzene	n/a	=	18.1	µg/L	EPA 625	0.36	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Nitrobenzene	n/a	=	72	%	EPA 625	-88	-88	35	180	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Nitrobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	srgt method blank	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2014/15-3	Lab	srgt LCS	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625	-88	-88	27	111	
2014/15-3	Lab	srgt LCS dup	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625	-88	-88	27	111	
2014/15-3	Lab	srgt method blank	12/22/2014	Organic	Nitrobenzene-d5	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/22/2014	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	27	111	
2014/15-3	Lab	srgt LCS	12/22/2014	Organic	Nitrobenzene-d5	n/a	=	17.5	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/22/2014	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 625	-88	-88	27	111	
2014/15-3	Lab	srgt LCS dup	12/22/2014	Organic	Nitrobenzene-d5	n/a	=	18.1	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/22/2014	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2014/15-3	Lab	srgt method blank	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	2.72	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	54	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	Lab	srgt LCS	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	3.14	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	Lab	srgt LCS dup	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	2.96	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	59	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	ME-CC	srgt environ	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	15	µg/L	EPA 625	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	60	%	EPA 625	-88	-88	27	111	
2014/15-3	ME-CC	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	1.76	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-3	ME-CC	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	37	%	EPA 8270Cm	-88	-88	51	143	GN
2014/15-3	ME-VR2	srgt environ	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	20.2	µg/L	EPA 625	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	81	%	EPA 625	-88	-88	27	111	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	ME-VR2	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	3.19	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	MO-CAM	srgt environ	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2014/15-3	MO-CAM	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	3.32	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	MO-FIL	srgt environ	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	20.2	µg/L	EPA 625	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	81	%	EPA 625	-88	-88	27	111	
2014/15-3	MO-FIL	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	3.22	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	MO-HUE	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	70	%	EPA 625	-88	-88	27	111	
2014/15-3	MO-HUE	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	3.21	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	MO-MEI	srgt environ	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 625	-88	-88	27	111	
2014/15-3	MO-MEI	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	2.91	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	58	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	MO-MPK	srgt environ	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	59	%	EPA 625	-88	-88	27	111	
2014/15-3	MO-MPK	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	1.82	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-3	MO-MPK	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	36	%	EPA 8270Cm	-88	-88	51	143	GN
2014/15-3	MO-OJA	srgt environ	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	11.4	µg/L	EPA 625	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	45	%	EPA 625	-88	-88	27	111	
2014/15-3	MO-OJA	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	3.08	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	MO-OXN	srgt environ	12/22/2014	Organic	Nitrobenzene-d5	n/a	=	18	µg/L	EPA 625	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/22/2014	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625	-88	-88	27	111	
2014/15-3	MO-OXN	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	3.25	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	65	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	MO-SIM	srgt environ	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	27	111	
2014/15-3	MO-SIM	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	3.39	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	MO-SPA	srgt environ	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	10.5	µg/L	EPA 625	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	42	%	EPA 625	-88	-88	27	111	
2014/15-3	MO-SPA	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	3.72	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	MO-THO	srgt environ	12/22/2014	Organic	Nitrobenzene-d5	n/a	=	14.1	µg/L	EPA 625	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/22/2014	Organic	Nitrobenzene-d5	n/a	=	57	%	EPA 625	-88	-88	27	111	
2014/15-3	MO-THO	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	3.35	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	MO-VEN	srgt environ	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/19/2014	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625	-88	-88	27	111	
2014/15-3	MO-VEN	srgt environ	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	3.44	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/23/2014	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 8270Cm	-88	-88	51	143	
2014/15-3	Lab	method blank	12/19/2014	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS	12/19/2014	Organic	N-Nitrosodimethylamine	n/a	=	11.8	µg/L	EPA 625	0.14	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	N-Nitrosodimethylamine	n/a	=	47	%	EPA 625	-88	-88	15	59	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	N-Nitrosodimethylamine	n/a	=	10.9	µg/L	EPA 625	0.14	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	N-Nitrosodimethylamine	n/a	=	44	%	EPA 625	-88	-88	15	59	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	N-Nitrosodimethylamine	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	N-Nitrosodimethylamine	n/a	=	11.3	µg/L	EPA 625	0.14	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	N-Nitrosodimethylamine	n/a	=	45	%	EPA 625	-88	-88	15	59	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	N-Nitrosodimethylamine	n/a	=	11.8	µg/L	EPA 625	0.14	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	N-Nitrosodimethylamine	n/a	=	47	%	EPA 625	-88	-88	15	59	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	N-Nitrosodimethylamine	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	19.1	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	76	%	EPA 625	-88	-88	0.1	230	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	19.7	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	79	%	EPA 625	-88	-88	0.1	230	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	17.4	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	70	%	EPA 625	-88	-88	0.1	230	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	18.3	µg/L	EPA 625	0.26	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	73	%	EPA 625	-88	-88	0.1	230	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	N-Nitrosodiphenylamine	n/a	=	16.6	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	N-Nitrosodiphenylamine	n/a	=	66	%	EPA 625	-88	-88	42	90	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	N-Nitrosodiphenylamine	n/a	=	18.2	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	N-Nitrosodiphenylamine	n/a	=	73	%	EPA 625	-88	-88	42	90	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	N-Nitrosodiphenylamine	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	N-Nitrosodiphenylamine	n/a	=	15.3	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	N-Nitrosodiphenylamine	n/a	=	61	%	EPA 625	-88	-88	42	90	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	N-Nitrosodiphenylamine	n/a	=	17.1	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	N-Nitrosodiphenylamine	n/a	=	68	%	EPA 625	-88	-88	42	90	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	N-Nitrosodiphenylamine	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	srgt method blank	12/23/2014	Organic	Perylene-d12	n/a	=	5.51	µg/L	EPA 525.2	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/23/2014	Organic	Perylene-d12	n/a	=	110	%	EPA 525.2	-88	-88	30	118	
2014/15-3	Lab	srgt LCS	12/23/2014	Organic	Perylene-d12	n/a	=	6.02	µg/L	EPA 525.2	-88	-88			GN
2014/15-3	Lab	srgt LCS, rec	12/23/2014	Organic	Perylene-d12	n/a	=	120	%	EPA 525.2	-88	-88	30	118	GN
2014/15-3	Lab	srgt LCS dup	12/24/2014	Organic	Perylene-d12	n/a	=	6.73	µg/L	EPA 525.2	-88	-88			GN
2014/15-3	Lab	srgt LCS dup, rec	12/24/2014	Organic	Perylene-d12	n/a	=	135	%	EPA 525.2	-88	-88	30	118	GN
2014/15-3	ME-CC	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	2.71	µg/L	EPA 525.2	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	51	%	EPA 525.2	-88	-88	30	118	
2014/15-3	ME-SCR	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	1.57	µg/L	EPA 525.2	-88	-88			GN
2014/15-3	ME-SCR	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	28	%	EPA 525.2	-88	-88	30	118	GN
2014/15-3	ME-VR2	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	2.44	µg/L	EPA 525.2	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	44	%	EPA 525.2	-88	-88	30	118	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-CAM	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	2.15	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	41	%	EPA 525.2	-88	-88	30	118	
2014/15-3	MO-FIL	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	1.41	µg/L	EPA 525.2	-88	-88			GN
2014/15-3	MO-FIL	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	27	%	EPA 525.2	-88	-88	30	118	GN
2014/15-3	MO-HUE	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	2.15	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	41	%	EPA 525.2	-88	-88	30	118	
2014/15-3	MO-MEI	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	1.5	µg/L	EPA 525.2	-88	-88			GN
2014/15-3	MO-MEI	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	27	%	EPA 525.2	-88	-88	30	118	GN
2014/15-3	MO-MPK	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	2.53	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	48	%	EPA 525.2	-88	-88	30	118	
2014/15-3	MO-OJA	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	2.68	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	48	%	EPA 525.2	-88	-88	30	118	
2014/15-3	MO-OXN	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	1.16	µg/L	EPA 525.2	-88	-88			GN
2014/15-3	MO-OXN	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	21	%	EPA 525.2	-88	-88	30	118	GN
2014/15-3	MO-SIM	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	1.89	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	36	%	EPA 525.2	-88	-88	30	118	
2014/15-3	MO-SPA	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	1.57	µg/L	EPA 525.2	-88	-88			GN
2014/15-3	MO-SPA	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	28	%	EPA 525.2	-88	-88	30	118	GN
2014/15-3	MO-THO	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	2.14	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	39	%	EPA 525.2	-88	-88	30	118	
2014/15-3	MO-VEN	srgt environ	12/24/2014	Organic	Perylene-d12	n/a	=	1.63	µg/L	EPA 525.2	-88	-88			GN
2014/15-3	MO-VEN	srgt environ, rec	12/24/2014	Organic	Perylene-d12	n/a	=	29	%	EPA 525.2	-88	-88	30	118	GN
2014/15-3	Lab	method blank	12/19/2014	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Phenanthrene	n/a	=	21.8	µg/L	EPA 625	0.32	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Phenanthrene	n/a	=	87	%	EPA 625	-88	-88	54	120	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Phenanthrene	n/a	=	22.3	µg/L	EPA 625	0.32	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Phenanthrene	n/a	=	89	%	EPA 625	-88	-88	54	120	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Phenanthrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Phenanthrene	n/a	=	17.9	µg/L	EPA 625	0.32	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Phenanthrene	n/a	=	72	%	EPA 625	-88	-88	54	120	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Phenanthrene	n/a	=	21.7	µg/L	EPA 625	0.32	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Phenanthrene	n/a	=	87	%	EPA 625	-88	-88	54	120	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Phenanthrene	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Phenanthrene	n/a	=	7.87	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Phenanthrene	n/a	=	79	%	EPA 8270Cm	-88	-88	21	131	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Phenanthrene	n/a	=	7.75	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Phenanthrene	n/a	=	78	%	EPA 8270Cm	-88	-88	21	131	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Phenanthrene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Phenol	n/a	=	7.31	µg/L	EPA 625	0.16	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Phenol	n/a	=	7.52	µg/L	EPA 625	0.16	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Phenol	n/a	=	30	%	EPA 625	-88	-88	5	112	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Phenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS	12/20/2014	Organic	Phenol	n/a	=	3.08	µg/L	EPA 8270Cm	0.35	1			
2014/15-3	Lab	LCS, rec	12/20/2014	Organic	Phenol	n/a	=	31	%	EPA 8270Cm	-88	-88	6	43	
2014/15-3	Lab	LCS dup	12/20/2014	Organic	Phenol	n/a	=	3.01	µg/L	EPA 8270Cm	0.35	1			
2014/15-3	Lab	LCS dup, rec	12/20/2014	Organic	Phenol	n/a	=	30	%	EPA 8270Cm	-88	-88	6	43	
2014/15-3	Lab	LCS, RPD	12/20/2014	Organic	Phenol	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Phenol	n/a	=	7.36	µg/L	EPA 625	0.16	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Phenol	n/a	=	7.23	µg/L	EPA 625	0.16	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Phenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	srgt method blank	12/19/2014	Organic	Phenol-d5	n/a	=	13.1	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/19/2014	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2014/15-3	Lab	srgt LCS	12/19/2014	Organic	Phenol-d5	n/a	=	12.7	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/19/2014	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2014/15-3	Lab	srgt LCS dup	12/19/2014	Organic	Phenol-d5	n/a	=	13.1	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/19/2014	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2014/15-3	Lab	srgt method blank	12/20/2014	Organic	Phenol-d5	n/a	=	2.29	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/20/2014	Organic	Phenol-d5	n/a	=	23	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	Lab	srgt LCS	12/20/2014	Organic	Phenol-d5	n/a	=	2.33	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/20/2014	Organic	Phenol-d5	n/a	=	23	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	Lab	srgt LCS dup	12/20/2014	Organic	Phenol-d5	n/a	=	2.15	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/20/2014	Organic	Phenol-d5	n/a	=	22	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	Lab	srgt method blank	12/22/2014	Organic	Phenol-d5	n/a	=	12.8	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/22/2014	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2014/15-3	Lab	srgt LCS	12/22/2014	Organic	Phenol-d5	n/a	=	13.1	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/22/2014	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2014/15-3	Lab	srgt LCS dup	12/22/2014	Organic	Phenol-d5	n/a	=	12.9	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/22/2014	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2014/15-3	ME-CC	srgt environ	12/19/2014	Organic	Phenol-d5	n/a	=	12.4	µg/L	EPA 625	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/19/2014	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2014/15-3	ME-CC	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	1.88	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	20	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	ME-VR2	srgt environ	12/19/2014	Organic	Phenol-d5	n/a	=	12.9	µg/L	EPA 625	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/19/2014	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2014/15-3	ME-VR2	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	2.39	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	24	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	MO-CAM	srgt environ	12/19/2014	Organic	Phenol-d5	n/a	=	10.9	µg/L	EPA 625	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/19/2014	Organic	Phenol-d5	n/a	=	22	%	EPA 625	-88	-88	0.1	53	
2014/15-3	MO-CAM	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	2.64	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	28	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	MO-FIL	srgt environ	12/19/2014	Organic	Phenol-d5	n/a	=	14.3	µg/L	EPA 625	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/19/2014	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2014/15-3	MO-FIL	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	2.78	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	28	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	MO-HUE	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	2.89	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	29	%	EPA 8270Cm	-88	-88	5	46	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-HUE	srgt environ	12/23/2014	Organic	Phenol-d5	n/a	=	13.3	µg/L	EPA 625	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/23/2014	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2014/15-3	MO-MEI	srgt environ	12/19/2014	Organic	Phenol-d5	n/a	=	12.5	µg/L	EPA 625	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/19/2014	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2014/15-3	MO-MEI	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	2.37	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	24	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	MO-MPK	srgt environ	12/19/2014	Organic	Phenol-d5	n/a	=	12.1	µg/L	EPA 625	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/19/2014	Organic	Phenol-d5	n/a	=	24	%	EPA 625	-88	-88	0.1	53	
2014/15-3	MO-MPK	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	2.4	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	24	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	MO-OJA	srgt environ	12/19/2014	Organic	Phenol-d5	n/a	=	10.4	µg/L	EPA 625	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/19/2014	Organic	Phenol-d5	n/a	=	21	%	EPA 625	-88	-88	0.1	53	
2014/15-3	MO-OJA	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	2.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	24	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	MO-OXN	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	2.91	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	29	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	MO-OXN	srgt environ	12/22/2014	Organic	Phenol-d5	n/a	=	13.6	µg/L	EPA 625	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/22/2014	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2014/15-3	MO-SIM	srgt environ	12/19/2014	Organic	Phenol-d5	n/a	=	13.7	µg/L	EPA 625	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/19/2014	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2014/15-3	MO-SIM	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	2.74	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	29	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	MO-SPA	srgt environ	12/19/2014	Organic	Phenol-d5	n/a	=	7.82	µg/L	EPA 625	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/19/2014	Organic	Phenol-d5	n/a	=	16	%	EPA 625	-88	-88	0.1	53	
2014/15-3	MO-SPA	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	3.29	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	33	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	MO-THO	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	2.52	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	25	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	MO-THO	srgt environ	12/22/2014	Organic	Phenol-d5	n/a	=	13	µg/L	EPA 625	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/22/2014	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2014/15-3	MO-VEN	srgt environ	12/19/2014	Organic	Phenol-d5	n/a	=	12.2	µg/L	EPA 625	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/19/2014	Organic	Phenol-d5	n/a	=	24	%	EPA 625	-88	-88	0.1	53	
2014/15-3	MO-VEN	srgt environ	12/20/2014	Organic	Phenol-d5	n/a	=	2.87	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/20/2014	Organic	Phenol-d5	n/a	=	29	%	EPA 8270Cm	-88	-88	5	46	
2014/15-3	Lab	srgt method blank	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	21	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 625	-88	-88	28	113	
2014/15-3	Lab	srgt LCS	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 625	-88	-88	28	113	
2014/15-3	Lab	srgt LCS dup	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	22.3	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625	-88	-88	28	113	
2014/15-3	Lab	srgt method blank	12/22/2014	Organic	p-Terphenyl-d14	n/a	=	18	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/22/2014	Organic	p-Terphenyl-d14	n/a	=	72	%	EPA 625	-88	-88	28	113	
2014/15-3	Lab	srgt LCS	12/22/2014	Organic	p-Terphenyl-d14	n/a	=	18	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/22/2014	Organic	p-Terphenyl-d14	n/a	=	72	%	EPA 625	-88	-88	28	113	
2014/15-3	Lab	srgt LCS dup	12/22/2014	Organic	p-Terphenyl-d14	n/a	=	21.9	µg/L	EPA 625	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/22/2014	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 625	-88	-88	28	113	
2014/15-3	Lab	srgt method blank	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	3.83	µg/L	EPA 8270Cm	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	srgt method blank, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	77	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	Lab	srgt LCS	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	5.58	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	112	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	Lab	srgt LCS dup	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	4.42	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	ME-CC	srgt environ	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	15.8	µg/L	EPA 625	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	63	%	EPA 625	-88	-88	28	113	
2014/15-3	ME-CC	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	2.12	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	45	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	ME-VR2	srgt environ	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	22.4	µg/L	EPA 625	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	90	%	EPA 625	-88	-88	28	113	
2014/15-3	ME-VR2	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	4.66	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	93	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	MO-CAM	srgt environ	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	20.5	µg/L	EPA 625	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 625	-88	-88	28	113	
2014/15-3	MO-CAM	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	4.56	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	MO-FIL	srgt environ	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	22.4	µg/L	EPA 625	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625	-88	-88	28	113	
2014/15-3	MO-FIL	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	4.71	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	94	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	MO-HUE	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	20.2	µg/L	EPA 625	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 625	-88	-88	28	113	
2014/15-3	MO-HUE	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	4.4	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	MO-MEI	srgt environ	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 625	-88	-88	28	113	
2014/15-3	MO-MEI	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	5.28	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	106	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	MO-MPK	srgt environ	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	13.2	µg/L	EPA 625	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	53	%	EPA 625	-88	-88	28	113	
2014/15-3	MO-MPK	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	1.93	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	39	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	MO-OJA	srgt environ	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	11.7	µg/L	EPA 625	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	47	%	EPA 625	-88	-88	28	113	
2014/15-3	MO-OJA	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	3.39	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	71	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	MO-OXN	srgt environ	12/22/2014	Organic	p-Terphenyl-d14	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/22/2014	Organic	p-Terphenyl-d14	n/a	=	76	%	EPA 625	-88	-88	28	113	
2014/15-3	MO-OXN	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	5.05	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	101	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	MO-SIM	srgt environ	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	73	%	EPA 625	-88	-88	28	113	
2014/15-3	MO-SIM	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	4.56	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	MO-SPA	srgt environ	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	11.8	µg/L	EPA 625	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	47	%	EPA 625	-88	-88	28	113	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-SPA	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	5.09	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	102	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	MO-THO	srgt environ	12/22/2014	Organic	p-Terphenyl-d14	n/a	=	13.6	µg/L	EPA 625	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/22/2014	Organic	p-Terphenyl-d14	n/a	=	54	%	EPA 625	-88	-88	28	113	
2014/15-3	MO-THO	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	4.58	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	92	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	MO-VEN	srgt environ	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/19/2014	Organic	p-Terphenyl-d14	n/a	=	85	%	EPA 625	-88	-88	28	113	
2014/15-3	MO-VEN	srgt environ	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	4.92	µg/L	EPA 8270Cm	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/23/2014	Organic	p-Terphenyl-d14	n/a	=	98	%	EPA 8270Cm	-88	-88	19	134	
2014/15-3	Lab	method blank	12/19/2014	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	LCS	12/19/2014	Organic	Pyrene	n/a	=	24.4	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Organic	Pyrene	n/a	=	97	%	EPA 625	-88	-88	52	115	
2014/15-3	Lab	LCS dup	12/19/2014	Organic	Pyrene	n/a	=	25.6	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Organic	Pyrene	n/a	=	103	%	EPA 625	-88	-88	52	115	
2014/15-3	Lab	LCS, RPD	12/19/2014	Organic	Pyrene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	LCS	12/22/2014	Organic	Pyrene	n/a	=	20.5	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Organic	Pyrene	n/a	=	82	%	EPA 625	-88	-88	52	115	
2014/15-3	Lab	LCS dup	12/22/2014	Organic	Pyrene	n/a	=	24.8	µg/L	EPA 625	0.25	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Organic	Pyrene	n/a	=	99	%	EPA 625	-88	-88	52	115	
2014/15-3	Lab	LCS, RPD	12/22/2014	Organic	Pyrene	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS	12/23/2014	Organic	Pyrene	n/a	=	10.9	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Organic	Pyrene	n/a	=	109	%	EPA 8270Cm	-88	-88	26	128	
2014/15-3	Lab	LCS dup	12/23/2014	Organic	Pyrene	n/a	=	9	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-3	Lab	LCS dup, rec	12/23/2014	Organic	Pyrene	n/a	=	90	%	EPA 8270Cm	-88	-88	26	128	
2014/15-3	Lab	LCS, RPD	12/23/2014	Organic	Pyrene	n/a	=	19	%	EPA 8270Cm	-88	-88	0	30	
2014/15-3	Lab	srgt method blank	12/24/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0676	µg/L	EPA 608	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/24/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	68	%	EPA 608	-88	-88	12	117	
2014/15-3	Lab	srgt LCS	12/24/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0723	µg/L	EPA 608	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/24/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	72	%	EPA 608	-88	-88	12	117	
2014/15-3	Lab	srgt LCS dup	12/24/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0725	µg/L	EPA 608	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/24/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608	-88	-88	12	117	
2014/15-3	Lab	srgt method blank	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0602	µg/L	EPA 608	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	60	%	EPA 608	-88	-88	12	117	
2014/15-3	Lab	srgt LCS	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0636	µg/L	EPA 608	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	64	%	EPA 608	-88	-88	12	117	
2014/15-3	Lab	srgt LCS dup	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0656	µg/L	EPA 608	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	66	%	EPA 608	-88	-88	12	117	
2014/15-3	ME-CC	srgt environ	12/25/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0485	µg/L	EPA 608	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/25/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	48	%	EPA 608	-88	-88	12	117	
2014/15-3	ME-VR2	srgt environ	12/25/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.054	µg/L	EPA 608	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/25/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	54	%	EPA 608	-88	-88	12	117	
2014/15-3	MO-CAM	srgt environ	12/25/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0658	µg/L	EPA 608	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/25/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	66	%	EPA 608	-88	-88	12	117	
2014/15-3	MO-FIL	srgt environ	12/27/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0486	µg/L	EPA 608	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-FIL	srgt environ, rec	12/27/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	49	%	EPA 608	-88	-88	12	117	
2014/15-3	MO-HUE	srgt environ	12/27/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.057	µg/L	EPA 608	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/27/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	57	%	EPA 608	-88	-88	12	117	
2014/15-3	MO-MEI	srgt environ	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0472	µg/L	EPA 608	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	47	%	EPA 608	-88	-88	12	117	
2014/15-3	MO-MPK	srgt environ	12/27/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0476	µg/L	EPA 608	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/27/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	48	%	EPA 608	-88	-88	12	117	
2014/15-3	MO-OJA	srgt environ	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0576	µg/L	EPA 608	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	58	%	EPA 608	-88	-88	12	117	
2014/15-3	MO-OXN	srgt environ	12/27/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0569	µg/L	EPA 608	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/27/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	57	%	EPA 608	-88	-88	12	117	
2014/15-3	MO-SIM	srgt environ	12/27/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0517	µg/L	EPA 608	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/27/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	52	%	EPA 608	-88	-88	12	117	
2014/15-3	MO-SPA	srgt environ	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0465	µg/L	EPA 608	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	47	%	EPA 608	-88	-88	12	117	
2014/15-3	MO-THO	srgt environ	12/27/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0579	µg/L	EPA 608	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/27/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	58	%	EPA 608	-88	-88	12	117	
2014/15-3	MO-VEN	srgt environ	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0749	µg/L	EPA 608	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/26/2014	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	75	%	EPA 608	-88	-88	12	117	
2014/15-3	Lab	srgt LCS	12/18/2014	Organic	Toluene-d8	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/18/2014	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-3	Lab	srgt LCS dup	12/18/2014	Organic	Toluene-d8	n/a	=	51.9	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/18/2014	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2014/15-3	Lab	srgt method blank	12/18/2014	Organic	Toluene-d8	n/a	=	49.3	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/18/2014	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2014/15-3	Lab	srgt LCS	12/19/2014	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/19/2014	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-3	Lab	srgt LCS dup	12/19/2014	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/19/2014	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-3	Lab	srgt method blank	12/19/2014	Organic	Toluene-d8	n/a	=	49	µg/L	EPA 624	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/19/2014	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2014/15-3	ME-CC	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	48.2	µg/L	EPA 624	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	96	%	EPA 624	-88	-88	92	112	
2014/15-3	ME-SCR	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	49	µg/L	EPA 624	-88	-88			
2014/15-3	ME-SCR	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2014/15-3	ME-VR2	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	48.4	µg/L	EPA 624	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2014/15-3	MO-CAM	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	49.1	µg/L	EPA 624	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2014/15-3	MO-FIL	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	48.4	µg/L	EPA 624	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2014/15-3	MO-HUE	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	48.8	µg/L	EPA 624	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	98	%	EPA 624	-88	-88	92	112	
2014/15-3	MO-MEI	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	47.7	µg/L	EPA 624	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	95	%	EPA 624	-88	-88	92	112	
2014/15-3	MO-MPK	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	48.7	µg/L	EPA 624	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-OJA	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	48.4	µg/L	EPA 624	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2014/15-3	MO-OXN	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	48.5	µg/L	EPA 624	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	97	%	EPA 624	-88	-88	92	112	
2014/15-3	MO-SIM	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	99	%	EPA 624	-88	-88	92	112	
2014/15-3	MO-SIM	srgt matrix spike	12/19/2014	Organic	Toluene-d8	n/a	=	51.9	µg/L	EPA 624	-88	-88			
2014/15-3	MO-SIM	srgt matrix spike, rec	12/19/2014	Organic	Toluene-d8	n/a	=	104	%	EPA 624	-88	-88	92	112	
2014/15-3	MO-SIM	srgt matrix spike dup	12/19/2014	Organic	Toluene-d8	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2014/15-3	MO-SIM	srgt matrix spike dup, rec	12/19/2014	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-3	MO-SPA	srgt environ	12/18/2014	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/18/2014	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-3	MO-THO	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	47.6	µg/L	EPA 624	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	95	%	EPA 624	-88	-88	92	112	
2014/15-3	MO-VEN	srgt environ	12/19/2014	Organic	Toluene-d8	n/a	=	45	µg/L	EPA 624	-88	-88			GN
2014/15-3	MO-VEN	srgt environ, rec	12/19/2014	Organic	Toluene-d8	n/a	=	90	%	EPA 624	-88	-88	92	112	GN
2014/15-3	000NONPJ	srgt matrix spike	12/23/2014	Organic	Triphenylphosphate	n/a	=	0.558	µg/L	EPA 525.2m	-88	-88			
2014/15-3	000NONPJ	srgt matrix spike, rec	12/23/2014	Organic	Triphenylphosphate	n/a	=	112	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	000NONPJ	srgt matrix spike dup	12/23/2014	Organic	Triphenylphosphate	n/a	=	0.54	µg/L	EPA 525.2m	-88	-88			
2014/15-3	000NONPJ	srgt matrix spike dup, rec	12/23/2014	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	Lab	srgt method blank	12/20/2014	Organic	Triphenylphosphate	n/a	=	0.623	µg/L	EPA 525.2m	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	Lab	srgt LCS	12/20/2014	Organic	Triphenylphosphate	n/a	=	0.638	µg/L	EPA 525.2m	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	Lab	srgt method blank	12/23/2014	Organic	Triphenylphosphate	n/a	=	0.557	µg/L	EPA 525.2m	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/23/2014	Organic	Triphenylphosphate	n/a	=	111	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	Lab	srgt LCS	12/23/2014	Organic	Triphenylphosphate	n/a	=	0.612	µg/L	EPA 525.2m	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/23/2014	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	Lab	srgt method blank	12/23/2014	Organic	Triphenylphosphate	n/a	=	5.24	µg/L	EPA 525.2	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/23/2014	Organic	Triphenylphosphate	n/a	=	105	%	EPA 525.2	-88	-88	70	149	
2014/15-3	Lab	srgt LCS	12/23/2014	Organic	Triphenylphosphate	n/a	=	5.08	µg/L	EPA 525.2	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/23/2014	Organic	Triphenylphosphate	n/a	=	102	%	EPA 525.2	-88	-88	70	149	
2014/15-3	Lab	srgt LCS dup	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.91	µg/L	EPA 525.2	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	98	%	EPA 525.2	-88	-88	70	149	
2014/15-3	ME-CC	srgt environ	12/20/2014	Organic	Triphenylphosphate	n/a	=	1.86	µg/L	EPA 525.2m	-88	-88			GN
2014/15-3	ME-CC	srgt environ, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	371	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-3	ME-CC	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.96	µg/L	EPA 525.2	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	94	%	EPA 525.2	-88	-88	70	149	
2014/15-3	ME-SCR	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.18	µg/L	EPA 525.2	-88	-88			
2014/15-3	ME-SCR	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	75	%	EPA 525.2	-88	-88	70	149	
2014/15-3	ME-VR2	srgt environ	12/20/2014	Organic	Triphenylphosphate	n/a	=	0.655	µg/L	EPA 525.2m	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	131	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	ME-VR2	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.88	µg/L	EPA 525.2	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	88	%	EPA 525.2	-88	-88	70	149	
2014/15-3	MO-CAM	srgt environ	12/20/2014	Organic	Triphenylphosphate	n/a	=	0.768	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	154	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	MO-CAM	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.76	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-CAM	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	90	%	EPA 525.2	-88	-88	70	149	
2014/15-3	MO-FIL	srgt environ	12/20/2014	Organic	Triphenylphosphate	n/a	=	0.652	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	130	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	MO-FIL	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.32	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	82	%	EPA 525.2	-88	-88	70	149	
2014/15-3	MO-HUE	srgt environ	12/23/2014	Organic	Triphenylphosphate	n/a	=	0.623	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/23/2014	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	MO-HUE	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.71	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	89	%	EPA 525.2	-88	-88	70	149	
2014/15-3	MO-MEI	srgt environ	12/20/2014	Organic	Triphenylphosphate	n/a	=	0.882	µg/L	EPA 525.2m	-88	-88			GN
2014/15-3	MO-MEI	srgt environ, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	176	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-3	MO-MEI	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.01	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	72	%	EPA 525.2	-88	-88	70	149	
2014/15-3	MO-MPK	srgt environ	12/20/2014	Organic	Triphenylphosphate	n/a	=	2.21	µg/L	EPA 525.2m	-88	-88			GN
2014/15-3	MO-MPK	srgt environ, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	442	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-3	MO-MPK	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.9	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	93	%	EPA 525.2	-88	-88	70	149	
2014/15-3	MO-OJA	srgt environ	12/20/2014	Organic	Triphenylphosphate	n/a	=	1.32	µg/L	EPA 525.2m	-88	-88			GN
2014/15-3	MO-OJA	srgt environ, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	264	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-3	MO-OJA	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.89	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	88	%	EPA 525.2	-88	-88	70	149	
2014/15-3	MO-OXN	srgt environ	12/20/2014	Organic	Triphenylphosphate	n/a	=	0.673	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	135	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	MO-OXN	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.84	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	87	%	EPA 525.2	-88	-88	70	149	
2014/15-3	MO-SIM	srgt environ	12/20/2014	Organic	Triphenylphosphate	n/a	=	0.73	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	146	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	MO-SIM	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.89	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	93	%	EPA 525.2	-88	-88	70	149	
2014/15-3	MO-SPA	srgt environ	12/20/2014	Organic	Triphenylphosphate	n/a	=	0.637	µg/L	EPA 525.2m	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	127	%	EPA 525.2m	-88	-88	40	163	
2014/15-3	MO-SPA	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	3.64	µg/L	EPA 525.2	-88	-88			GN
2014/15-3	MO-SPA	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	66	%	EPA 525.2	-88	-88	70	149	GN
2014/15-3	MO-THO	srgt environ	12/20/2014	Organic	Triphenylphosphate	n/a	=	1.11	µg/L	EPA 525.2m	-88	-88			GN
2014/15-3	MO-THO	srgt environ, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	222	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-3	MO-THO	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	5	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	90	%	EPA 525.2	-88	-88	70	149	
2014/15-3	MO-VEN	srgt matrix spike	12/20/2014	Organic	Triphenylphosphate	n/a	=	0.842	µg/L	EPA 525.2m	-88	-88			GN
2014/15-3	MO-VEN	srgt matrix spike, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	168	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-3	MO-VEN	srgt matrix spike dup	12/20/2014	Organic	Triphenylphosphate	n/a	=	1	µg/L	EPA 525.2m	-88	-88			GN
2014/15-3	MO-VEN	srgt matrix spike dup, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	200	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-3	MO-VEN	srgt environ	12/20/2014	Organic	Triphenylphosphate	n/a	=	0.83	µg/L	EPA 525.2m	-88	-88			GN
2014/15-3	MO-VEN	srgt environ, rec	12/20/2014	Organic	Triphenylphosphate	n/a	=	166	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-3	MO-VEN	srgt environ	12/24/2014	Organic	Triphenylphosphate	n/a	=	4.78	µg/L	EPA 525.2	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/24/2014	Organic	Triphenylphosphate	n/a	=	86	%	EPA 525.2	-88	-88	70	149	
2014/15-3	Lab	srgt method blank	12/24/2014	PCB	PCB 209	n/a	=	0.0884	µg/L	EPA 608	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/24/2014	PCB	PCB 209	n/a	=	88	%	EPA 608	-88	-88	0.1	118	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	srgt LCS	12/24/2014	PCB	PCB 209	n/a	=	0.0869	µg/L	EPA 608	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/24/2014	PCB	PCB 209	n/a	=	87	%	EPA 608	-88	-88	0.1	118	
2014/15-3	Lab	srgt LCS dup	12/24/2014	PCB	PCB 209	n/a	=	0.0885	µg/L	EPA 608	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/24/2014	PCB	PCB 209	n/a	=	88	%	EPA 608	-88	-88	0.1	118	
2014/15-3	Lab	srgt method blank	12/26/2014	PCB	PCB 209	n/a	=	0.0743	µg/L	EPA 608	-88	-88			
2014/15-3	Lab	srgt method blank, rec	12/26/2014	PCB	PCB 209	n/a	=	74	%	EPA 608	-88	-88	0.1	118	
2014/15-3	Lab	srgt LCS	12/26/2014	PCB	PCB 209	n/a	=	0.0766	µg/L	EPA 608	-88	-88			
2014/15-3	Lab	srgt LCS, rec	12/26/2014	PCB	PCB 209	n/a	=	77	%	EPA 608	-88	-88	0.1	118	
2014/15-3	Lab	srgt LCS dup	12/26/2014	PCB	PCB 209	n/a	=	0.0776	µg/L	EPA 608	-88	-88			
2014/15-3	Lab	srgt LCS dup, rec	12/26/2014	PCB	PCB 209	n/a	=	78	%	EPA 608	-88	-88	0.1	118	
2014/15-3	ME-CC	srgt environ	12/25/2014	PCB	PCB 209	n/a	=	0.0564	µg/L	EPA 608	-88	-88			
2014/15-3	ME-CC	srgt environ, rec	12/25/2014	PCB	PCB 209	n/a	=	56	%	EPA 608	-88	-88	0.1	118	
2014/15-3	ME-VR2	srgt environ	12/25/2014	PCB	PCB 209	n/a	=	0.0614	µg/L	EPA 608	-88	-88			
2014/15-3	ME-VR2	srgt environ, rec	12/25/2014	PCB	PCB 209	n/a	=	61	%	EPA 608	-88	-88	0.1	118	
2014/15-3	MO-CAM	srgt environ	12/25/2014	PCB	PCB 209	n/a	=	0.0685	µg/L	EPA 608	-88	-88			
2014/15-3	MO-CAM	srgt environ, rec	12/25/2014	PCB	PCB 209	n/a	=	69	%	EPA 608	-88	-88	0.1	118	
2014/15-3	MO-FIL	srgt environ	12/27/2014	PCB	PCB 209	n/a	=	0.0538	µg/L	EPA 608	-88	-88			
2014/15-3	MO-FIL	srgt environ, rec	12/27/2014	PCB	PCB 209	n/a	=	54	%	EPA 608	-88	-88	0.1	118	
2014/15-3	MO-HUE	srgt environ	12/27/2014	PCB	PCB 209	n/a	=	0.0677	µg/L	EPA 608	-88	-88			
2014/15-3	MO-HUE	srgt environ, rec	12/27/2014	PCB	PCB 209	n/a	=	68	%	EPA 608	-88	-88	0.1	118	
2014/15-3	MO-MEI	srgt environ	12/26/2014	PCB	PCB 209	n/a	=	0.0462	µg/L	EPA 608	-88	-88			
2014/15-3	MO-MEI	srgt environ, rec	12/26/2014	PCB	PCB 209	n/a	=	46	%	EPA 608	-88	-88	0.1	118	
2014/15-3	MO-MPK	srgt environ	12/27/2014	PCB	PCB 209	n/a	=	0.042	µg/L	EPA 608	-88	-88			
2014/15-3	MO-MPK	srgt environ, rec	12/27/2014	PCB	PCB 209	n/a	=	42	%	EPA 608	-88	-88	0.1	118	
2014/15-3	MO-OJA	srgt environ	12/26/2014	PCB	PCB 209	n/a	=	0.0606	µg/L	EPA 608	-88	-88			
2014/15-3	MO-OJA	srgt environ, rec	12/26/2014	PCB	PCB 209	n/a	=	61	%	EPA 608	-88	-88	0.1	118	
2014/15-3	MO-OXN	srgt environ	12/27/2014	PCB	PCB 209	n/a	=	0.053	µg/L	EPA 608	-88	-88			
2014/15-3	MO-OXN	srgt environ, rec	12/27/2014	PCB	PCB 209	n/a	=	53	%	EPA 608	-88	-88	0.1	118	
2014/15-3	MO-SIM	srgt environ	12/27/2014	PCB	PCB 209	n/a	=	0.0622	µg/L	EPA 608	-88	-88			
2014/15-3	MO-SIM	srgt environ, rec	12/27/2014	PCB	PCB 209	n/a	=	62	%	EPA 608	-88	-88	0.1	118	
2014/15-3	MO-SPA	srgt environ	12/26/2014	PCB	PCB 209	n/a	=	0.0435	µg/L	EPA 608	-88	-88			
2014/15-3	MO-SPA	srgt environ, rec	12/26/2014	PCB	PCB 209	n/a	=	44	%	EPA 608	-88	-88	0.1	118	
2014/15-3	MO-THO	srgt environ	12/27/2014	PCB	PCB 209	n/a	=	0.0649	µg/L	EPA 608	-88	-88			
2014/15-3	MO-THO	srgt environ, rec	12/27/2014	PCB	PCB 209	n/a	=	65	%	EPA 608	-88	-88	0.1	118	
2014/15-3	MO-VEN	srgt environ	12/26/2014	PCB	PCB 209	n/a	=	0.0816	µg/L	EPA 608	-88	-88			
2014/15-3	MO-VEN	srgt environ, rec	12/26/2014	PCB	PCB 209	n/a	=	82	%	EPA 608	-88	-88	0.1	118	
2014/15-3	Lab	method blank	12/24/2014	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2014/15-3	Lab	method blank	12/26/2014	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2014/15-3	Lab	method blank	12/24/2014	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-3	Lab	method blank	12/26/2014	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-3	Lab	method blank	12/24/2014	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2014/15-3	Lab	method blank	12/26/2014	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2014/15-3	Lab	method blank	12/24/2014	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2014/15-3	Lab	method blank	12/26/2014	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2014/15-3	Lab	method blank	12/24/2014	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-3	Lab	method blank	12/26/2014	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-3	Lab	method blank	12/24/2014	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	method blank	12/26/2014	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-3	Lab	method blank	12/24/2014	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-3	Lab	method blank	12/26/2014	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	2,4,5-T	n/a	=	3.73	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	2,4,5-T	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	2,4,5-T	n/a	=	3.76	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	2,4,5-T	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	2,4,5-T	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	2,4,5-T	n/a	=	3.66	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	2,4,5-T	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	2,4,5-T	n/a	=	3.81	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	2,4,5-T	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	2,4,5-T	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	2,4,5-T	n/a	=	3.95	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	2,4,5-T	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	2,4,5-T	n/a	=	3.68	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	2,4,5-T	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	2,4,5-T	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	2,4,5-T	n/a	=	3.52	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	2,4,5-T	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	2,4,5-T	n/a	=	3.91	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	2,4,5-T	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	2,4,5-T	n/a	=	3.42	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	2,4,5-T	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	2,4,5-T	n/a	=	3.96	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	2,4,5-T	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	2,4,5-T	n/a	=	3.59	µg/L	EPA 515.3	0.07	0.2			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	2,4,5-T	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	2,4,5-T	n/a	=	10	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	2,4,5-TP	n/a	=	3.67	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	2,4,5-TP	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	2,4,5-TP	n/a	=	3.65	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	2,4,5-TP	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	2,4,5-TP	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	2,4,5-TP	n/a	=	3.66	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	2,4,5-TP	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	2,4,5-TP	n/a	=	3.77	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	2,4,5-TP	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	2,4,5-TP	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	2,4,5-TP	n/a	=	3.5	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	2,4,5-TP	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	2,4,5-TP	n/a	=	3.37	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	2,4,5-TP	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	2,4,5-TP	n/a	=	4	%	EPA 515.3	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	2,4,5-TP	n/a	=	3.58	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	2,4,5-TP	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	2,4,5-TP	n/a	=	3.44	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	2,4,5-TP	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	2,4,5-TP	n/a	=	3.49	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	2,4,5-TP	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	2,4,5-TP	n/a	=	3.51	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	2,4,5-TP	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	2,4,5-TP	n/a	=	3.24	µg/L	EPA 515.3	0.09	0.2			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	2,4,5-TP	n/a	=	81	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	2,4,5-TP	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	2,4-D	n/a	=	9.02	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	2,4-D	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	2,4-D	n/a	=	8.89	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	2,4-D	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	2,4-D	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	2,4-D	n/a	=	9.04	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	2,4-D	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	2,4-D	n/a	=	9.29	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	2,4-D	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	2,4-D	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	2,4-D	n/a	=	8.54	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	2,4-D	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	2,4-D	n/a	=	8.15	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	2,4-D	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	2,4-D	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	2,4-D	n/a	=	8.83	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	2,4-D	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	2,4-D	n/a	=	8.42	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	2,4-D	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	2,4-D	n/a	=	8.25	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	2,4-D	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	2,4-D	n/a	=	8.78	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	2,4-D	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	2,4-D	n/a	=	8.04	µg/L	EPA 515.3	0.07	0.4			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	2,4-D	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	2,4-D	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	2,4-DB	n/a	=	14.5	µg/L	EPA 515.3	0.07	2			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	2,4-DB	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	2,4-DB	n/a	=	13	µg/L	EPA 515.3	0.07	2			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	2,4-DB	n/a	=	81	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	2,4-DB	n/a	=	11	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	2,4-DB	n/a	=	14.7	µg/L	EPA 515.3	0.07	2			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	2,4-DB	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	2,4-DB	n/a	=	14.9	µg/L	EPA 515.3	0.07	2			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	2,4-DB	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	2,4-DB	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	2,4-DB	n/a	=	16.8	µg/L	EPA 515.3	0.07	2			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	2,4-DB	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	2,4-DB	n/a	=	15.7	µg/L	EPA 515.3	0.07	2			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	2,4-DB	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	2,4-DB	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	2,4-DB	n/a	=	15	µg/L	EPA 515.3	0.07	2			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	2,4-DB	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	2,4-DB	n/a	=	16.4	µg/L	EPA 515.3	0.07	2			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	2,4-DB	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	2,4-DB	n/a	=	16.1	µg/L	EPA 515.3	0.07	2			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	2,4-DB	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	2,4-DB	n/a	=	16.3	µg/L	EPA 515.3	0.07	2			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	2,4-DB	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	2,4-DB	n/a	=	16.3	µg/L	EPA 515.3	0.07	2			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	2,4-DB	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	2,4-DB	n/a	=	0.1	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	6.87	µg/L	EPA 515.3	0.09	1			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	6.87	µg/L	EPA 515.3	0.09	1			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.01	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	6.9	µg/L	EPA 515.3	0.09	1			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.05	µg/L	EPA 515.3	0.09	1			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.17	µg/L	EPA 515.3	0.09	1			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7	µg/L	EPA 515.3	0.09	1			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	6.67	µg/L	EPA 515.3	0.09	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.02	µg/L	EPA 515.3	0.09	1			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS	1/5/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.1	µg/L	EPA 515.3	0.09	1			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	7.26	µg/L	EPA 515.3	0.09	1			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	6.86	µg/L	EPA 515.3	0.09	1			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	4,4'-DDD	n/a	=	0.0919	µg/L	EPA 608	0.003	0.05			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	4,4'-DDD	n/a	=	92	%	EPA 608	-88	-88	42	133	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	4,4'-DDD	n/a	=	0.0964	µg/L	EPA 608	0.003	0.05			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	4,4'-DDD	n/a	=	96	%	EPA 608	-88	-88	42	133	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	4,4'-DDD	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	4,4'-DDD	n/a	=	0.0796	µg/L	EPA 608	0.003	0.05			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	4,4'-DDD	n/a	=	80	%	EPA 608	-88	-88	42	133	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	4,4'-DDD	n/a	=	0.0844	µg/L	EPA 608	0.003	0.05			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	4,4'-DDD	n/a	=	84	%	EPA 608	-88	-88	42	133	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	4,4'-DDD	n/a	=	6	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	4,4'-DDE	n/a	=	0.0907	µg/L	EPA 608	0.0025	0.05			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	4,4'-DDE	n/a	=	91	%	EPA 608	-88	-88	33	126	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	4,4'-DDE	n/a	=	0.0949	µg/L	EPA 608	0.0025	0.05			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	4,4'-DDE	n/a	=	95	%	EPA 608	-88	-88	33	126	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	4,4'-DDE	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	4,4'-DDE	n/a	=	0.0795	µg/L	EPA 608	0.0025	0.05			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	4,4'-DDE	n/a	=	79	%	EPA 608	-88	-88	33	126	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	4,4'-DDE	n/a	=	0.0844	µg/L	EPA 608	0.0025	0.05			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	4,4'-DDE	n/a	=	84	%	EPA 608	-88	-88	33	126	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	4,4'-DDE	n/a	=	6	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	4,4'-DDT	n/a	=	0.109	µg/L	EPA 608	0.0031	0.01			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	4,4'-DDT	n/a	=	109	%	EPA 608	-88	-88	35	147	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	4,4'-DDT	n/a	=	0.114	µg/L	EPA 608	0.0031	0.01			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	4,4'-DDT	n/a	=	114	%	EPA 608	-88	-88	35	147	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	4,4'-DDT	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	4,4'-DDT	n/a	=	0.09	µg/L	EPA 608	0.0031	0.01			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	4,4'-DDT	n/a	=	90	%	EPA 608	-88	-88	35	147	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	4,4'-DDT	n/a	=	0.0954	µg/L	EPA 608	0.0031	0.01			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	4,4'-DDT	n/a	=	95	%	EPA 608	-88	-88	35	147	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	4,4'-DDT	n/a	=	6	%	EPA 608	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Acifluorfen	n/a	=	5.42	µg/L	EPA 515.3	0.06	0.4			GB
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Acifluorfen	n/a	=	136	%	EPA 515.3	-88	-88	70	130	GB
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Acifluorfen	n/a	=	5.74	µg/L	EPA 515.3	0.06	0.4			GB
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Acifluorfen	n/a	=	143	%	EPA 515.3	-88	-88	70	130	GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Acifluorfen	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Acifluorfen	n/a	=	5.47	µg/L	EPA 515.3	0.06	0.4			GB
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Acifluorfen	n/a	=	137	%	EPA 515.3	-88	-88	70	130	GB
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Acifluorfen	n/a	=	5.54	µg/L	EPA 515.3	0.06	0.4			GB
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Acifluorfen	n/a	=	138	%	EPA 515.3	-88	-88	70	130	GB
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Acifluorfen	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	Acifluorfen	n/a	=	4.47	µg/L	EPA 515.3	0.06	0.4			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	Acifluorfen	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	Acifluorfen	n/a	=	4.02	µg/L	EPA 515.3	0.06	0.4			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	Acifluorfen	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	Acifluorfen	n/a	=	11	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	Acifluorfen	n/a	=	5.5	µg/L	EPA 515.3	0.06	0.4			EUM
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	Acifluorfen	n/a	=	138	%	EPA 515.3	-88	-88	70	130	EUM
2014/15-3	Lab	method blank	1/3/2015	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	Acifluorfen	n/a	=	4.54	µg/L	EPA 515.3	0.06	0.4			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	Acifluorfen	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	Acifluorfen	n/a	=	4.57	µg/L	EPA 515.3	0.06	0.4			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	Acifluorfen	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	Acifluorfen	n/a	=	4.7	µg/L	EPA 515.3	0.06	0.4			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	Acifluorfen	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	Acifluorfen	n/a	=	4.14	µg/L	EPA 515.3	0.06	0.4			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	Acifluorfen	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	Acifluorfen	n/a	=	13	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Alachlor	n/a	=	6.05	µg/L	EPA 525.2	0.022	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Alachlor	n/a	=	121	%	EPA 525.2	-88	-88	55	124	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Alachlor	n/a	=	5.22	µg/L	EPA 525.2	0.022	0.1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Alachlor	n/a	=	104	%	EPA 525.2	-88	-88	55	124	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Alachlor	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	Aldrin	n/a	=	0.0795	µg/L	EPA 608	0.0015	0.005			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	Aldrin	n/a	=	80	%	EPA 608	-88	-88	18	117	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Aldrin	n/a	=	0.0836	µg/L	EPA 608	0.0015	0.005			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Aldrin	n/a	=	84	%	EPA 608	-88	-88	18	117	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Aldrin	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	Aldrin	n/a	=	0.0709	µg/L	EPA 608	0.0015	0.005			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	Aldrin	n/a	=	71	%	EPA 608	-88	-88	18	117	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	Aldrin	n/a	=	0.0758	µg/L	EPA 608	0.0015	0.005			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	Aldrin	n/a	=	76	%	EPA 608	-88	-88	18	117	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	Aldrin	n/a	=	7	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	alpha-BHC	n/a	=	0.0831	µg/L	EPA 608	0.0018	0.01			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	alpha-BHC	n/a	=	83	%	EPA 608	-88	-88	47	119	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	alpha-BHC	n/a	=	0.0878	µg/L	EPA 608	0.0018	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	alpha-BHC	n/a	=	88	%	EPA 608	-88	-88	47	119	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	alpha-BHC	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	alpha-BHC	n/a	=	0.0734	µg/L	EPA 608	0.0018	0.01			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	alpha-BHC	n/a	=	73	%	EPA 608	-88	-88	47	119	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	alpha-BHC	n/a	=	0.0793	µg/L	EPA 608	0.0018	0.01			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	alpha-BHC	n/a	=	79	%	EPA 608	-88	-88	47	119	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	alpha-BHC	n/a	=	8	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2014/15-3	Lab	method blank	12/26/2014	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Atrazine	n/a	=	5.9	µg/L	EPA 525.2	0.034	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Atrazine	n/a	=	118	%	EPA 525.2	-88	-88	67	131	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Atrazine	n/a	=	6.27	µg/L	EPA 525.2	0.034	0.1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Atrazine	n/a	=	125	%	EPA 525.2	-88	-88	67	131	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Atrazine	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Azinphos methyl	n/a	=	0.0658	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Azinphos methyl	n/a	=	132	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Azinphos methyl	n/a	=	0.0559	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Azinphos methyl	n/a	=	112	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Azinphos methyl	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Azinphos methyl	n/a	=	0.0439	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Azinphos methyl	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Azinphos methyl	n/a	=	0.0427	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Azinphos methyl	n/a	=	85	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Azinphos methyl	n/a	=	0.071	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Azinphos methyl	n/a	=	142	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Azinphos methyl	n/a	=	0.101	µg/L	EPA 525.2m	0.0055	0.01			GB
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Azinphos methyl	n/a	=	201	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Azinphos methyl	n/a	=	34	%	EPA 525.2m	-88	-88	0	30	IL
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Bentazon	n/a	=	13.3	µg/L	EPA 515.3	0.11	2			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Bentazon	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Bentazon	n/a	=	13.6	µg/L	EPA 515.3	0.11	2			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Bentazon	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Bentazon	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Bentazon	n/a	=	13.5	µg/L	EPA 515.3	0.11	2			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Bentazon	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Bentazon	n/a	=	13.8	µg/L	EPA 515.3	0.11	2			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Bentazon	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Bentazon	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	Bentazon	n/a	=	12.9	µg/L	EPA 515.3	0.11	2			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	Bentazon	n/a	=	81	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	Bentazon	n/a	=	12.3	µg/L	EPA 515.3	0.11	2			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	Bentazon	n/a	=	77	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	Bentazon	n/a	=	5	%	EPA 515.3	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	Bentazon	n/a	=	12.9	µg/L	EPA 515.3	0.11	2			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	Bentazon	n/a	=	81	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	Bentazon	n/a	=	12.5	µg/L	EPA 515.3	0.11	2			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	Bentazon	n/a	=	78	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	Bentazon	n/a	=	12.6	µg/L	EPA 515.3	0.11	2			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	Bentazon	n/a	=	79	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	Bentazon	n/a	=	13.1	µg/L	EPA 515.3	0.11	2			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	Bentazon	n/a	=	82	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	Bentazon	n/a	=	11.9	µg/L	EPA 515.3	0.11	2			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	Bentazon	n/a	=	75	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	Bentazon	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	beta-BHC	n/a	=	0.0991	µg/L	EPA 608	0.0031	0.005			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	beta-BHC	n/a	=	99	%	EPA 608	-88	-88	53	123	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	beta-BHC	n/a	=	0.103	µg/L	EPA 608	0.0031	0.005			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	beta-BHC	n/a	=	103	%	EPA 608	-88	-88	53	123	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	beta-BHC	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	beta-BHC	n/a	=	0.0874	µg/L	EPA 608	0.0031	0.005			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	beta-BHC	n/a	=	87	%	EPA 608	-88	-88	53	123	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	beta-BHC	n/a	=	0.0918	µg/L	EPA 608	0.0031	0.005			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	beta-BHC	n/a	=	92	%	EPA 608	-88	-88	53	123	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	beta-BHC	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Bolstar	n/a	=	0.043	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Bolstar	n/a	=	86	%	EPA 525.2m	-88	-88	4	184	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Bolstar	n/a	=	0.0458	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Bolstar	n/a	=	92	%	EPA 525.2m	-88	-88	4	184	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Bolstar	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Bolstar	n/a	=	0.0429	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Bolstar	n/a	=	86	%	EPA 525.2m	-88	-88	11	166	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Bolstar	n/a	=	0.0499	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Bolstar	n/a	=	100	%	EPA 525.2m	-88	-88	11	166	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Bolstar	n/a	=	0.0486	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Bolstar	n/a	=	97	%	EPA 525.2m	-88	-88	4	184	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Bolstar	n/a	=	0.0684	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Bolstar	n/a	=	137	%	EPA 525.2m	-88	-88	4	184	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Bolstar	n/a	=	34	%	EPA 525.2m	-88	-88	0	30	IL
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Bromacil	n/a	=	5.27	µg/L	EPA 525.2	0.038	1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Bromacil	n/a	=	105	%	EPA 525.2	-88	-88	62	139	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Bromacil	n/a	=	6.11	µg/L	EPA 525.2	0.038	1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Bromacil	n/a	=	122	%	EPA 525.2	-88	-88	62	139	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Bromacil	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Butachlor	n/a	=	6.05	µg/L	EPA 525.2	0.017	0.2			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Butachlor	n/a	=	121	%	EPA 525.2	-88	-88	61	127	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Butachlor	n/a	=	5.12	µg/L	EPA 525.2	0.017	0.2			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Butachlor	n/a	=	102	%	EPA 525.2	-88	-88	61	127	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Butachlor	n/a	=	17	%	EPA 525.2	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Captan	n/a	=	4.98	µg/L	EPA 525.2	0.86	1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Captan	n/a	=	100	%	EPA 525.2	-88	-88	14	159	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Captan	n/a	=	5.09	µg/L	EPA 525.2	0.86	1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Captan	n/a	=	102	%	EPA 525.2	-88	-88	14	159	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Captan	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2014/15-3	Lab	method blank	12/26/2014	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Chloroprotham	n/a	=	6.28	µg/L	EPA 525.2	0.01	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Chloroprotham	n/a	=	126	%	EPA 525.2	-88	-88	77	143	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Chloroprotham	n/a	=	6.48	µg/L	EPA 525.2	0.01	0.1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Chloroprotham	n/a	=	130	%	EPA 525.2	-88	-88	77	143	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Chloroprotham	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Chlorpyrifos	n/a	=	0.0605	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Chlorpyrifos	n/a	=	121	%	EPA 525.2m	-88	-88	37	168	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Chlorpyrifos	n/a	=	0.0618	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Chlorpyrifos	n/a	=	124	%	EPA 525.2m	-88	-88	37	168	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Chlorpyrifos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Chlorpyrifos	n/a	=	0.059	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Chlorpyrifos	n/a	=	118	%	EPA 525.2m	-88	-88	37	169	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Chlorpyrifos	n/a	=	0.0606	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Chlorpyrifos	n/a	=	121	%	EPA 525.2m	-88	-88	37	169	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Chlorpyrifos	n/a	=	0.0575	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Chlorpyrifos	n/a	=	100	%	EPA 525.2m	-88	-88	37	168	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Chlorpyrifos	n/a	=	0.0677	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Chlorpyrifos	n/a	=	120	%	EPA 525.2m	-88	-88	37	168	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Chlorpyrifos	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Coumaphos	n/a	=	0.0643	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Coumaphos	n/a	=	129	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Coumaphos	n/a	=	0.0622	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Coumaphos	n/a	=	124	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Coumaphos	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Coumaphos	n/a	=	0.0522	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Coumaphos	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	225	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Coumaphos	n/a	=	0.058	µg/L	EPA 525.2m	0.0051	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Coumaphos	n/a	=	116	%	EPA 525.2m	-88	-88	0.1	225	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Coumaphos	n/a	=	0.0686	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Coumaphos	n/a	=	137	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Coumaphos	n/a	=	0.0964	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Coumaphos	n/a	=	193	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Coumaphos	n/a	=	34	%	EPA 525.2m	-88	-88	0	30	IL
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Cyanazine	n/a	=	5.54	µg/L	EPA 525.2	0.024	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Cyanazine	n/a	=	111	%	EPA 525.2	-88	-88	61	129	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Cyanazine	n/a	=	5.71	µg/L	EPA 525.2	0.024	0.1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Cyanazine	n/a	=	114	%	EPA 525.2	-88	-88	61	129	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Cyanazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Dalapon	n/a	=	7.99	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Dalapon	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Dalapon	n/a	=	7.6	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Dalapon	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Dalapon	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Dalapon	n/a	=	7.56	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Dalapon	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Dalapon	n/a	=	7.47	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Dalapon	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Dalapon	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	Dalapon	n/a	=	7.39	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	Dalapon	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	Dalapon	n/a	=	7.03	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	Dalapon	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	Dalapon	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	Dalapon	n/a	=	7.76	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	Dalapon	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	Dalapon	n/a	=	7.51	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	Dalapon	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	Dalapon	n/a	=	6.88	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	Dalapon	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	Dalapon	n/a	=	7.28	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	Dalapon	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	Dalapon	n/a	=	6.68	µg/L	EPA 515.3	0.1	0.4			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	Dalapon	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	Dalapon	n/a	=	9	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	=	5.55	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	=	5.55	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	=	0.07	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	=	3.91	µg/L	EPA 515.3	0.07	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	=	4.04	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.55	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.4	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	=	3.42	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	DCPA (Dacthal)	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.33	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.36	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	DCPA (Dacthal)	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.81	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.55	µg/L	EPA 515.3	0.07	0.1			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	DCPA (Dacthal)	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	delta-BHC	n/a	=	0.101	µg/L	EPA 608	0.0025	0.005			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	delta-BHC	n/a	=	101	%	EPA 608	-88	-88	51	123	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	delta-BHC	n/a	=	0.105	µg/L	EPA 608	0.0025	0.005			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	delta-BHC	n/a	=	105	%	EPA 608	-88	-88	51	123	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	delta-BHC	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	delta-BHC	n/a	=	0.0864	µg/L	EPA 608	0.0025	0.005			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	delta-BHC	n/a	=	86	%	EPA 608	-88	-88	51	123	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	delta-BHC	n/a	=	0.0929	µg/L	EPA 608	0.0025	0.005			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	delta-BHC	n/a	=	93	%	EPA 608	-88	-88	51	123	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	delta-BHC	n/a	=	7	%	EPA 608	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Demeton-O	n/a	=	0.0486	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Demeton-O	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Demeton-O	n/a	=	0.0409	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Demeton-O	n/a	=	82	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Demeton-O	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Demeton-O	n/a	=	0.0407	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Demeton-O	n/a	=	81	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Demeton-O	n/a	=	0.0492	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Demeton-O	n/a	=	98	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Demeton-O	n/a	=	0.0393	µg/L	EPA 525.2m	0.01	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Demeton-O	n/a	=	79	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Demeton-O	n/a	=	0.0417	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Demeton-O	n/a	=	83	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Demeton-O	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Demeton-S	n/a	=	0.0486	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Demeton-S	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Demeton-S	n/a	=	0.0409	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Demeton-S	n/a	=	82	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Demeton-S	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Demeton-S	n/a	=	0.0407	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Demeton-S	n/a	=	81	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Demeton-S	n/a	=	0.0492	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Demeton-S	n/a	=	98	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Demeton-S	n/a	=	0.0393	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Demeton-S	n/a	=	79	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Demeton-S	n/a	=	0.0417	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Demeton-S	n/a	=	83	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Demeton-S	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Diazinon	n/a	=	0.0452	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Diazinon	n/a	=	90	%	EPA 525.2m	-88	-88	36	153	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Diazinon	n/a	=	0.0501	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Diazinon	n/a	=	100	%	EPA 525.2m	-88	-88	36	153	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Diazinon	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Diazinon	n/a	=	0.0518	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Diazinon	n/a	=	104	%	EPA 525.2m	-88	-88	43	152	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Diazinon	n/a	=	0.0572	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Diazinon	n/a	=	114	%	EPA 525.2m	-88	-88	43	152	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Diazinon	n/a	=	5.46	µg/L	EPA 525.2	0.096	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Diazinon	n/a	=	109	%	EPA 525.2	-88	-88	30	120	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Diazinon	n/a	=	4.71	µg/L	EPA 525.2	0.096	0.1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Diazinon	n/a	=	94	%	EPA 525.2	-88	-88	30	120	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Diazinon	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Diazinon	n/a	=	0.047	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Diazinon	n/a	=	94	%	EPA 525.2m	-88	-88	36	153	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Diazinon	n/a	=	0.0453	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Diazinon	n/a	=	91	%	EPA 525.2m	-88	-88	36	153	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Diazinon	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Dicamba	n/a	=	6.99	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Dicamba	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Dicamba	n/a	=	7.01	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Dicamba	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Dicamba	n/a	=	0.2	%	EPA 515.3	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Dicamba	n/a	=	6.94	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Dicamba	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Dicamba	n/a	=	7.12	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Dicamba	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Dicamba	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	Dicamba	n/a	=	7.23	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	Dicamba	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	Dicamba	n/a	=	7.06	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	Dicamba	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	Dicamba	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	Dicamba	n/a	=	6.76	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	Dicamba	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	Dicamba	n/a	=	6.82	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	Dicamba	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	Dicamba	n/a	=	7.06	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	Dicamba	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	Dicamba	n/a	=	7.14	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	Dicamba	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	Dicamba	n/a	=	6.72	µg/L	EPA 515.3	0.12	0.6			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	Dicamba	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	Dicamba	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Dichlorprop	n/a	=	8.38	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Dichlorprop	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Dichlorprop	n/a	=	7.94	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Dichlorprop	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Dichlorprop	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Dichlorprop	n/a	=	8.41	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Dichlorprop	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Dichlorprop	n/a	=	8.79	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Dichlorprop	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Dichlorprop	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	Dichlorprop	n/a	=	8.2	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	Dichlorprop	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	Dichlorprop	n/a	=	7.93	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	Dichlorprop	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	Dichlorprop	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	Dichlorprop	n/a	=	7.87	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	Dichlorprop	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	Dichlorprop	n/a	=	8.05	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	Dichlorprop	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	Dichlorprop	n/a	=	8.04	µg/L	EPA 515.3	0.08	0.3			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	Dichlorprop	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	Dichlorprop	n/a	=	7.95	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	Dichlorprop	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	Dichlorprop	n/a	=	7.37	µg/L	EPA 515.3	0.08	0.3			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	Dichlorprop	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	Dichlorprop	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Dichlorvos	n/a	=	0.0515	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Dichlorvos	n/a	=	103	%	EPA 525.2m	-88	-88	42	137	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Dichlorvos	n/a	=	0.0543	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Dichlorvos	n/a	=	109	%	EPA 525.2m	-88	-88	42	137	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Dichlorvos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Dichlorvos	n/a	=	0.0527	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Dichlorvos	n/a	=	105	%	EPA 525.2m	-88	-88	46	133	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Dichlorvos	n/a	=	0.0585	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Dichlorvos	n/a	=	117	%	EPA 525.2m	-88	-88	46	133	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Dichlorvos	n/a	=	0.0452	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Dichlorvos	n/a	=	90	%	EPA 525.2m	-88	-88	42	137	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Dichlorvos	n/a	=	0.0525	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Dichlorvos	n/a	=	105	%	EPA 525.2m	-88	-88	42	137	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Dichlorvos	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	Dieldrin	n/a	=	0.087	µg/L	EPA 608	0.0021	0.01			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	Dieldrin	n/a	=	87	%	EPA 608	-88	-88	48	123	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Dieldrin	n/a	=	0.0907	µg/L	EPA 608	0.0021	0.01			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Dieldrin	n/a	=	91	%	EPA 608	-88	-88	48	123	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Dieldrin	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	Dieldrin	n/a	=	0.0772	µg/L	EPA 608	0.0021	0.01			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	Dieldrin	n/a	=	77	%	EPA 608	-88	-88	48	123	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	Dieldrin	n/a	=	0.0818	µg/L	EPA 608	0.0021	0.01			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	Dieldrin	n/a	=	82	%	EPA 608	-88	-88	48	123	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	Dieldrin	n/a	=	6	%	EPA 608	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Dimethoate	n/a	=	0.0634	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Dimethoate	n/a	=	127	%	EPA 525.2m	-88	-88	4	222	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Dimethoate	n/a	=	0.0546	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Dimethoate	n/a	=	109	%	EPA 525.2m	-88	-88	4	222	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Dimethoate	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Dimethoate	n/a	=	0.052	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Dimethoate	n/a	=	104	%	EPA 525.2m	-88	-88	10	234	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Dimethoate	n/a	=	0.0521	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Dimethoate	n/a	=	104	%	EPA 525.2m	-88	-88	10	234	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Dimethoate	n/a	=	5.31	µg/L	EPA 525.2	0.024	0.2			EUM

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Dimethoate	n/a	=	106	%	EPA 525.2	-88	-88	38	102	EUM
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Dimethoate	n/a	=	5.77	µg/L	EPA 525.2	0.024	0.2			EUM
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Dimethoate	n/a	=	115	%	EPA 525.2	-88	-88	38	102	EUM
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Dimethoate	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Dimethoate	n/a	=	0.055	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Dimethoate	n/a	=	97	%	EPA 525.2m	-88	-88	4	222	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Dimethoate	n/a	=	0.0652	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Dimethoate	n/a	=	118	%	EPA 525.2m	-88	-88	4	222	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Dimethoate	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Dinoseb	n/a	=	4.66	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Dinoseb	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Dinoseb	n/a	=	4.69	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Dinoseb	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Dinoseb	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Dinoseb	n/a	=	4.62	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Dinoseb	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Dinoseb	n/a	=	4.78	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Dinoseb	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Dinoseb	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	Dinoseb	n/a	=	3.58	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	Dinoseb	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	Dinoseb	n/a	=	3.34	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	Dinoseb	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	Dinoseb	n/a	=	7	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	Dinoseb	n/a	=	4.66	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	Dinoseb	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	Dinoseb	n/a	=	3.58	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	Dinoseb	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	Dinoseb	n/a	=	3.64	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	Dinoseb	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	Dinoseb	n/a	=	4.13	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	Dinoseb	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	Dinoseb	n/a	=	3.71	µg/L	EPA 515.3	0.14	0.4			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	Dinoseb	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	Dinoseb	n/a	=	11	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Diphenamid	n/a	=	5.05	µg/L	EPA 525.2	0.024	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Diphenamid	n/a	=	101	%	EPA 525.2	-88	-88	77	124	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Diphenamid	n/a	=	4.75	µg/L	EPA 525.2	0.024	0.1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Diphenamid	n/a	=	95	%	EPA 525.2	-88	-88	77	124	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Diphenamid	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Disulfoton	n/a	=	0.0477	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Disulfoton	n/a	=	95	%	EPA 525.2m	-88	-88	12	199	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Disulfoton	n/a	=	0.0463	µg/L	EPA 525.2m	0.01	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Disulfoton	n/a	=	93	%	EPA 525.2m	-88	-88	12	199	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Disulfoton	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Disulfoton	n/a	=	0.0412	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Disulfoton	n/a	=	82	%	EPA 525.2m	-88	-88	0.1	212	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Disulfoton	n/a	=	0.0517	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Disulfoton	n/a	=	103	%	EPA 525.2m	-88	-88	0.1	212	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Disulfoton	n/a	=	11.2	µg/L	EPA 525.2	0.031	0.1			EUM
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Disulfoton	n/a	=	223	%	EPA 525.2	-88	-88	54	156	EUM
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Disulfoton	n/a	=	10.3	µg/L	EPA 525.2	0.031	0.1			EUM
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Disulfoton	n/a	=	206	%	EPA 525.2	-88	-88	54	156	EUM
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Disulfoton	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Disulfoton	n/a	=	0.0434	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Disulfoton	n/a	=	87	%	EPA 525.2m	-88	-88	12	199	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Disulfoton	n/a	=	0.0497	µg/L	EPA 525.2m	0.01	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Disulfoton	n/a	=	99	%	EPA 525.2m	-88	-88	12	199	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Disulfoton	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	Endosulfan I	n/a	=	0.0778	µg/L	EPA 608	0.0017	0.02			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	Endosulfan I	n/a	=	78	%	EPA 608	-88	-88	14	131	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Endosulfan I	n/a	=	0.0807	µg/L	EPA 608	0.0017	0.02			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Endosulfan I	n/a	=	81	%	EPA 608	-88	-88	14	131	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Endosulfan I	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	Endosulfan I	n/a	=	0.0693	µg/L	EPA 608	0.0017	0.02			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	Endosulfan I	n/a	=	69	%	EPA 608	-88	-88	14	131	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	Endosulfan I	n/a	=	0.073	µg/L	EPA 608	0.0017	0.02			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	Endosulfan I	n/a	=	73	%	EPA 608	-88	-88	14	131	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	Endosulfan I	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	Endosulfan II	n/a	=	0.0818	µg/L	EPA 608	0.0019	0.01			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	Endosulfan II	n/a	=	82	%	EPA 608	-88	-88	40	121	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Endosulfan II	n/a	=	0.0858	µg/L	EPA 608	0.0019	0.01			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Endosulfan II	n/a	=	86	%	EPA 608	-88	-88	40	121	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Endosulfan II	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	Endosulfan II	n/a	=	0.0724	µg/L	EPA 608	0.0019	0.01			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	Endosulfan II	n/a	=	72	%	EPA 608	-88	-88	40	121	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	Endosulfan II	n/a	=	0.0769	µg/L	EPA 608	0.0019	0.01			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	Endosulfan II	n/a	=	77	%	EPA 608	-88	-88	40	121	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	Endosulfan II	n/a	=	6	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	Endosulfan sulfate	n/a	=	0.0936	µg/L	EPA 608	0.008	0.05			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	Endosulfan sulfate	n/a	=	94	%	EPA 608	-88	-88	44	140	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Endosulfan sulfate	n/a	=	0.102	µg/L	EPA 608	0.008	0.05			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Endosulfan sulfate	n/a	=	102	%	EPA 608	-88	-88	44	140	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Endosulfan sulfate	n/a	=	8	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	Endosulfan sulfate	n/a	=	0.0816	µg/L	EPA 608	0.008	0.05			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	Endosulfan sulfate	n/a	=	82	%	EPA 608	-88	-88	44	140	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	Endosulfan sulfate	n/a	=	0.0902	µg/L	EPA 608	0.008	0.05			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	Endosulfan sulfate	n/a	=	90	%	EPA 608	-88	-88	44	140	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	Endosulfan sulfate	n/a	=	10	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	Endrin	n/a	=	0.0995	µg/L	EPA 608	0.0028	0.01			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	Endrin	n/a	=	99	%	EPA 608	-88	-88	40	143	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Endrin	n/a	=	0.104	µg/L	EPA 608	0.0028	0.01			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Endrin	n/a	=	104	%	EPA 608	-88	-88	40	143	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Endrin	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	Endrin	n/a	=	0.0869	µg/L	EPA 608	0.0028	0.01			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	Endrin	n/a	=	87	%	EPA 608	-88	-88	40	143	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	Endrin	n/a	=	0.0924	µg/L	EPA 608	0.0028	0.01			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	Endrin	n/a	=	92	%	EPA 608	-88	-88	40	143	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	Endrin	n/a	=	6	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	Endrin aldehyde	n/a	=	0.0683	µg/L	EPA 608	0.003	0.01			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	Endrin aldehyde	n/a	=	68	%	EPA 608	-88	-88	18	136	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Endrin aldehyde	n/a	=	0.0737	µg/L	EPA 608	0.003	0.01			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Endrin aldehyde	n/a	=	74	%	EPA 608	-88	-88	18	136	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Endrin aldehyde	n/a	=	8	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	Endrin aldehyde	n/a	=	0.0588	µg/L	EPA 608	0.003	0.01			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	Endrin aldehyde	n/a	=	59	%	EPA 608	-88	-88	18	136	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	Endrin aldehyde	n/a	=	0.0646	µg/L	EPA 608	0.003	0.01			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	Endrin aldehyde	n/a	=	65	%	EPA 608	-88	-88	18	136	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	Endrin aldehyde	n/a	=	9	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	EPTC	n/a	=	5.42	µg/L	EPA 525.2	0.017	1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	EPTC	n/a	=	108	%	EPA 525.2	-88	-88	82	116	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	EPTC	n/a	=	5.65	µg/L	EPA 525.2	0.017	1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	EPTC	n/a	=	113	%	EPA 525.2	-88	-88	82	116	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	EPTC	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Ethoprop	n/a	=	0.0624	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Ethoprop	n/a	=	125	%	EPA 525.2m	-88	-88	51	167	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Ethoprop	n/a	=	0.0608	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Ethoprop	n/a	=	122	%	EPA 525.2m	-88	-88	51	167	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Ethoprop	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Ethoprop	n/a	=	0.058	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Ethoprop	n/a	=	116	%	EPA 525.2m	-88	-88	53	163	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Ethoprop	n/a	=	0.0659	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Ethoprop	n/a	=	132	%	EPA 525.2m	-88	-88	53	163	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Ethoprop	n/a	=	0.054	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Ethoprop	n/a	=	108	%	EPA 525.2m	-88	-88	51	167	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Ethoprop	n/a	=	0.0651	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Ethoprop	n/a	=	130	%	EPA 525.2m	-88	-88	51	167	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Ethoprop	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Ethyl parathion	n/a	=	0.0565	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Ethyl parathion	n/a	=	113	%	EPA 525.2m	-88	-88	5	229	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Ethyl parathion	n/a	=	0.0589	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Ethyl parathion	n/a	=	118	%	EPA 525.2m	-88	-88	5	229	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Ethyl parathion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Ethyl parathion	n/a	=	0.0447	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Ethyl parathion	n/a	=	89	%	EPA 525.2m	-88	-88	7	230	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Ethyl parathion	n/a	=	0.0472	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Ethyl parathion	n/a	=	94	%	EPA 525.2m	-88	-88	7	230	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Ethyl parathion	n/a	=	0.0511	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Ethyl parathion	n/a	=	102	%	EPA 525.2m	-88	-88	5	229	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Ethyl parathion	n/a	=	0.0619	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Ethyl parathion	n/a	=	124	%	EPA 525.2m	-88	-88	5	229	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Ethyl parathion	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Fensulfothion	n/a	=	0.0694	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Fensulfothion	n/a	=	139	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Fensulfothion	n/a	=	0.0606	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Fensulfothion	n/a	=	121	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Fensulfothion	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Fensulfothion	n/a	=	0.0526	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Fensulfothion	n/a	=	105	%	EPA 525.2m	-88	-88	0.1	265	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Fensulfothion	n/a	=	0.0579	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Fensulfothion	n/a	=	116	%	EPA 525.2m	-88	-88	0.1	265	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Fensulfothion	n/a	=	0.0667	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Fensulfothion	n/a	=	133	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Fensulfothion	n/a	=	0.1	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Fensulfothion	n/a	=	200	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Fensulfothion	n/a	=	40	%	EPA 525.2m	-88	-88	0	30	IL
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Fenthion	n/a	=	0.0566	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Fenthion	n/a	=	113	%	EPA 525.2m	-88	-88	23	169	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Fenthion	n/a	=	0.0579	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Fenthion	n/a	=	116	%	EPA 525.2m	-88	-88	23	169	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Fenthion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Fenthion	n/a	=	0.0463	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Fenthion	n/a	=	93	%	EPA 525.2m	-88	-88	20	177	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Fenthion	n/a	=	0.0562	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Fenthion	n/a	=	112	%	EPA 525.2m	-88	-88	20	177	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Fenthion	n/a	=	0.0481	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Fenthion	n/a	=	96	%	EPA 525.2m	-88	-88	23	169	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Fenthion	n/a	=	0.0571	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Fenthion	n/a	=	114	%	EPA 525.2m	-88	-88	23	169	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Fenthion	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0862	µg/L	EPA 608	0.0021	0.02			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	86	%	EPA 608	-88	-88	49	117	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0907	µg/L	EPA 608	0.0021	0.02			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	91	%	EPA 608	-88	-88	49	117	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	0.076	µg/L	EPA 608	0.0021	0.02			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	76	%	EPA 608	-88	-88	49	117	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0818	µg/L	EPA 608	0.0021	0.02			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	82	%	EPA 608	-88	-88	49	117	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	gamma-BHC (Lindane)	n/a	=	7	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2014/15-3	Lab	method blank	12/26/2014	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2014/15-3	Lab	LCS	12/15/2014	Pesticide	Glyphosate	n/a	=	31.2	µg/L	EPA 547	1.8	5			
2014/15-3	Lab	LCS, rec	12/15/2014	Pesticide	Glyphosate	n/a	=	125	%	EPA 547	-88	-88	62	130	
2014/15-3	Lab	method blank	12/15/2014	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2014/15-3	ME-VR2	matrix spike	12/15/2014	Pesticide	Glyphosate	n/a	=	37.2	µg/L	EPA 547	1.8	5			
2014/15-3	ME-VR2	matrix spike dup	12/15/2014	Pesticide	Glyphosate	n/a	=	37.1	µg/L	EPA 547	1.8	5			
2014/15-3	ME-VR2	matrix spike dup, rec	12/15/2014	Pesticide	Glyphosate	n/a	=	149	%	EPA 547	-88	-88	41	149	
2014/15-3	ME-VR2	matrix spike, rec	12/15/2014	Pesticide	Glyphosate	n/a	=	149	%	EPA 547	-88	-88	41	149	
2014/15-3	ME-VR2	matrix spike, RPD	12/15/2014	Pesticide	Glyphosate	n/a	=	0.3	%	EPA 547	-88	-88	0	30	
2014/15-3	MO-THO	matrix spike	12/15/2014	Pesticide	Glyphosate	n/a	=	32.7	µg/L	EPA 547	1.8	5			
2014/15-3	MO-THO	matrix spike dup	12/15/2014	Pesticide	Glyphosate	n/a	=	33	µg/L	EPA 547	1.8	5			
2014/15-3	MO-THO	matrix spike dup, rec	12/15/2014	Pesticide	Glyphosate	n/a	=	124	%	EPA 547	-88	-88	41	149	
2014/15-3	MO-THO	matrix spike, rec	12/15/2014	Pesticide	Glyphosate	n/a	=	122	%	EPA 547	-88	-88	41	149	
2014/15-3	MO-THO	matrix spike, RPD	12/15/2014	Pesticide	Glyphosate	n/a	=	0.9	%	EPA 547	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	Heptachlor	n/a	=	0.0858	µg/L	EPA 608	0.0017	0.01			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	Heptachlor	n/a	=	86	%	EPA 608	-88	-88	31	130	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Heptachlor	n/a	=	0.0903	µg/L	EPA 608	0.0017	0.01			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Heptachlor	n/a	=	90	%	EPA 608	-88	-88	31	130	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Heptachlor	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	Heptachlor	n/a	=	0.0744	µg/L	EPA 608	0.0017	0.01			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	Heptachlor	n/a	=	74	%	EPA 608	-88	-88	31	130	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	Heptachlor	n/a	=	0.0798	µg/L	EPA 608	0.0017	0.01			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	Heptachlor	n/a	=	80	%	EPA 608	-88	-88	31	130	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	Heptachlor	n/a	=	7	%	EPA 608	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-3	Lab	LCS	12/24/2014	Pesticide	Heptachlor epoxide	n/a	=	0.0868	µg/L	EPA 608	0.0019	0.01			
2014/15-3	Lab	LCS, rec	12/24/2014	Pesticide	Heptachlor epoxide	n/a	=	87	%	EPA 608	-88	-88	49	122	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Heptachlor epoxide	n/a	=	0.0907	µg/L	EPA 608	0.0019	0.01			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Heptachlor epoxide	n/a	=	91	%	EPA 608	-88	-88	49	122	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Heptachlor epoxide	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-3	Lab	method blank	12/26/2014	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-3	Lab	LCS	12/26/2014	Pesticide	Heptachlor epoxide	n/a	=	0.0774	µg/L	EPA 608	0.0019	0.01			
2014/15-3	Lab	LCS, rec	12/26/2014	Pesticide	Heptachlor epoxide	n/a	=	77	%	EPA 608	-88	-88	49	122	
2014/15-3	Lab	LCS dup	12/26/2014	Pesticide	Heptachlor epoxide	n/a	=	0.0822	µg/L	EPA 608	0.0019	0.01			
2014/15-3	Lab	LCS dup, rec	12/26/2014	Pesticide	Heptachlor epoxide	n/a	=	82	%	EPA 608	-88	-88	49	122	
2014/15-3	Lab	LCS, RPD	12/26/2014	Pesticide	Heptachlor epoxide	n/a	=	6	%	EPA 608	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Malathion	n/a	=	0.073	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Malathion	n/a	=	146	%	EPA 525.2m	-88	-88	6	184	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Malathion	n/a	=	0.0737	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Malathion	n/a	=	147	%	EPA 525.2m	-88	-88	6	184	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Malathion	n/a	=	0.9	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Malathion	n/a	=	0.0586	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Malathion	n/a	=	117	%	EPA 525.2m	-88	-88	14	175	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Malathion	n/a	=	0.0625	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Malathion	n/a	=	125	%	EPA 525.2m	-88	-88	14	175	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Malathion	n/a	=	0.0879	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Malathion	n/a	=	110	%	EPA 525.2m	-88	-88	6	184	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Malathion	n/a	=	0.107	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Malathion	n/a	=	147	%	EPA 525.2m	-88	-88	6	184	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Malathion	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Merphos	n/a	=	0.0581	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Merphos	n/a	=	116	%	EPA 525.2m	-88	-88	3	210	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Merphos	n/a	=	0.0633	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Merphos	n/a	=	127	%	EPA 525.2m	-88	-88	3	210	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Merphos	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Merphos	n/a	=	0.0602	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Merphos	n/a	=	120	%	EPA 525.2m	-88	-88	28	181	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Merphos	n/a	=	0.0577	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Merphos	n/a	=	115	%	EPA 525.2m	-88	-88	28	181	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Merphos	n/a	=	0.0841	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Merphos	n/a	=	168	%	EPA 525.2m	-88	-88	3	210	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Merphos	n/a	=	0.107	µg/L	EPA 525.2m	0.0058	0.01			GB
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Merphos	n/a	=	214	%	EPA 525.2m	-88	-88	3	210	GB
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Merphos	n/a	=	24	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2014/15-3	Lab	method blank	12/26/2014	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Methyl parathion	n/a	=	0.0584	µg/L	EPA 525.2m	0.0063	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Methyl parathion	n/a	=	117	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Methyl parathion	n/a	=	0.0596	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Methyl parathion	n/a	=	119	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Methyl parathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Methyl parathion	n/a	=	0.0411	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Methyl parathion	n/a	=	82	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Methyl parathion	n/a	=	0.0472	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Methyl parathion	n/a	=	94	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Methyl parathion	n/a	=	0.0501	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Methyl parathion	n/a	=	100	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Methyl parathion	n/a	=	0.0602	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Methyl parathion	n/a	=	120	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Methyl parathion	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Metolachlor	n/a	=	6.5	µg/L	EPA 525.2	0.012	0.1			EUM
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Metolachlor	n/a	=	130	%	EPA 525.2	-88	-88	61	123	EUM
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Metolachlor	n/a	=	5.6	µg/L	EPA 525.2	0.012	0.1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Metolachlor	n/a	=	112	%	EPA 525.2	-88	-88	61	123	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Metolachlor	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Metribuzin	n/a	=	5.91	µg/L	EPA 525.2	0.015	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Metribuzin	n/a	=	118	%	EPA 525.2	-88	-88	50	121	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Metribuzin	n/a	=	5.35	µg/L	EPA 525.2	0.015	0.1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Metribuzin	n/a	=	107	%	EPA 525.2	-88	-88	50	121	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Metribuzin	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Mevinphos	n/a	=	0.0491	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Mevinphos	n/a	=	98	%	EPA 525.2m	-88	-88	25	189	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Mevinphos	n/a	=	0.0423	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Mevinphos	n/a	=	85	%	EPA 525.2m	-88	-88	25	189	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Mevinphos	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Mevinphos	n/a	=	0.0512	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Mevinphos	n/a	=	102	%	EPA 525.2m	-88	-88	14	202	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Mevinphos	n/a	=	0.0513	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Mevinphos	n/a	=	103	%	EPA 525.2m	-88	-88	14	202	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Mevinphos	n/a	=	0.042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Mevinphos	n/a	=	84	%	EPA 525.2m	-88	-88	25	189	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Mevinphos	n/a	=	0.0514	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Mevinphos	n/a	=	103	%	EPA 525.2m	-88	-88	25	189	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Mevinphos	n/a	=	20	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Molinate	n/a	=	5.77	µg/L	EPA 525.2	0.039	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Molinate	n/a	=	115	%	EPA 525.2	-88	-88	82	117	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Molinate	n/a	=	5.91	µg/L	EPA 525.2	0.039	0.1			EUM

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Molinate	n/a	=	118	%	EPA 525.2	-88	-88	82	117	EUM
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Naled	n/a	=	0.0694	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Naled	n/a	=	139	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Naled	n/a	=	0.0553	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Naled	n/a	=	111	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Naled	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Naled	n/a	=	0.0332	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Naled	n/a	=	66	%	EPA 525.2m	-88	-88	0.1	240	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Naled	n/a	=	0.0221	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Naled	n/a	=	44	%	EPA 525.2m	-88	-88	0.1	240	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Naled	n/a	=	0.062	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Naled	n/a	=	124	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Naled	n/a	=	0.065	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Naled	n/a	=	130	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Naled	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	3.54	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	3.51	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	3.56	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	3.66	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	Pentachlorophenol	n/a	=	3.39	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	Pentachlorophenol	n/a	=	3.28	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	Pentachlorophenol	n/a	=	82	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	Pentachlorophenol	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/19/2014	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS	12/19/2014	Pesticide	Pentachlorophenol	n/a	=	16	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS, rec	12/19/2014	Pesticide	Pentachlorophenol	n/a	=	64	%	EPA 625	-88	-88	14	176	
2014/15-3	Lab	LCS dup	12/19/2014	Pesticide	Pentachlorophenol	n/a	=	18.7	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS dup, rec	12/19/2014	Pesticide	Pentachlorophenol	n/a	=	75	%	EPA 625	-88	-88	14	176	
2014/15-3	Lab	LCS, RPD	12/19/2014	Pesticide	Pentachlorophenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Pentachlorophenol	n/a	=	9.08	µg/L	EPA 8270Cm	0.15	1			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Pentachlorophenol	n/a	=	91	%	EPA 8270Cm	-88	-88	29	106	
2014/15-3	Lab	LCS dup	12/20/2014	Pesticide	Pentachlorophenol	n/a	=	14.5	µg/L	EPA 8270Cm	0.15	1			EUM
2014/15-3	Lab	LCS dup, rec	12/20/2014	Pesticide	Pentachlorophenol	n/a	=	145	%	EPA 8270Cm	-88	-88	29	106	EUM
2014/15-3	Lab	LCS, RPD	12/20/2014	Pesticide	Pentachlorophenol	n/a	=	46	%	EPA 8270Cm	-88	-88	0	30	IL
2014/15-3	Lab	method blank	12/22/2014	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	3.48	µg/L	EPA 515.3	0.04	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	16.6	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	66	%	EPA 625	-88	-88	14	176	
2014/15-3	Lab	LCS dup	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	19.7	µg/L	EPA 625	0.19	1			
2014/15-3	Lab	LCS dup, rec	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	79	%	EPA 625	-88	-88	14	176	
2014/15-3	Lab	LCS, RPD	12/22/2014	Pesticide	Pentachlorophenol	n/a	=	17	%	EPA 625	-88	-88	0	30	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	Pentachlorophenol	n/a	=	3.3	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	Pentachlorophenol	n/a	=	82	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	Pentachlorophenol	n/a	=	3.38	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	Pentachlorophenol	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	Pentachlorophenol	n/a	=	4.55	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	Pentachlorophenol	n/a	=	4.27	µg/L	EPA 515.3	0.04	0.2			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	Pentachlorophenol	n/a	=	78	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	Pentachlorophenol	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Phorate	n/a	=	0.052	µg/L	EPA 525.2m	0.003	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Phorate	n/a	=	104	%	EPA 525.2m	-88	-88	31	181	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Phorate	n/a	=	0.0528	µg/L	EPA 525.2m	0.003	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Phorate	n/a	=	106	%	EPA 525.2m	-88	-88	31	181	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Phorate	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Phorate	n/a	=	0.0458	µg/L	EPA 525.2m	0.003	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Phorate	n/a	=	92	%	EPA 525.2m	-88	-88	26	180	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Phorate	n/a	=	0.0514	µg/L	EPA 525.2m	0.003	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Phorate	n/a	=	103	%	EPA 525.2m	-88	-88	26	180	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Phorate	n/a	=	0.0452	µg/L	EPA 525.2m	0.003	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Phorate	n/a	=	90	%	EPA 525.2m	-88	-88	31	181	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Phorate	n/a	=	0.0523	µg/L	EPA 525.2m	0.003	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Phorate	n/a	=	105	%	EPA 525.2m	-88	-88	31	181	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Phorate	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Picloram	n/a	=	3.29	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Picloram	n/a	=	82	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Picloram	n/a	=	3.64	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Picloram	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Picloram	n/a	=	10	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/22/2014	Pesticide	Picloram	n/a	=	3.44	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	000NONPJ	matrix spike, rec	12/22/2014	Pesticide	Picloram	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	12/22/2014	Pesticide	Picloram	n/a	=	3.48	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	000NONPJ	matrix spike dup, rec	12/22/2014	Pesticide	Picloram	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike, RPD	12/22/2014	Pesticide	Picloram	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	1/3/2015	Pesticide	Picloram	n/a	=	3.11	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	000NONPJ	matrix spike, rec	1/3/2015	Pesticide	Picloram	n/a	=	78	%	EPA 515.3	-88	-88	70	130	
2014/15-3	000NONPJ	matrix spike dup	1/3/2015	Pesticide	Picloram	n/a	=	2.68	µg/L	EPA 515.3	0.05	0.6			GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	000NONPJ	matrix spike dup, rec	1/3/2015	Pesticide	Picloram	n/a	=	67	%	EPA 515.3	-88	-88	70	130	GB
2014/15-3	000NONPJ	matrix spike, RPD	1/3/2015	Pesticide	Picloram	n/a	=	15	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/22/2014	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	Lab	LCS	12/22/2014	Pesticide	Picloram	n/a	=	3.27	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	Lab	LCS, rec	12/22/2014	Pesticide	Picloram	n/a	=	82	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/3/2015	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	Lab	LCS	1/3/2015	Pesticide	Picloram	n/a	=	5.17	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	Lab	LCS, rec	1/3/2015	Pesticide	Picloram	n/a	=	129	%	EPA 515.3	-88	-88	70	130	
2014/15-3	Lab	method blank	1/5/2015	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	Lab	LCS	1/5/2015	Pesticide	Picloram	n/a	=	4.88	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	Lab	LCS, rec	1/5/2015	Pesticide	Picloram	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike	1/3/2015	Pesticide	Picloram	n/a	=	5.2	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	MO-MPK	matrix spike, rec	1/3/2015	Pesticide	Picloram	n/a	=	130	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike dup	1/3/2015	Pesticide	Picloram	n/a	=	4.36	µg/L	EPA 515.3	0.05	0.6			
2014/15-3	MO-MPK	matrix spike dup, rec	1/3/2015	Pesticide	Picloram	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-3	MO-MPK	matrix spike, RPD	1/3/2015	Pesticide	Picloram	n/a	=	18	%	EPA 515.3	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Prometon	n/a	=	1.53	µg/L	EPA 525.2	0.024	0.2			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Prometon	n/a	=	31	%	EPA 525.2	-88	-88	17	101	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Prometon	n/a	=	0.68	µg/L	EPA 525.2	0.024	0.2			EUM
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Prometon	n/a	=	14	%	EPA 525.2	-88	-88	17	101	EUM
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Prometon	n/a	=	77	%	EPA 525.2	-88	-88	0	30	IL
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Prometryn	n/a	=	4.51	µg/L	EPA 525.2	0.036	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Prometryn	n/a	=	90	%	EPA 525.2	-88	-88	57	122	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Prometryn	n/a	=	3.43	µg/L	EPA 525.2	0.036	0.1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Prometryn	n/a	=	69	%	EPA 525.2	-88	-88	57	122	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Prometryn	n/a	=	27	%	EPA 525.2	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0537	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	107	%	EPA 525.2m	-88	-88	29	153	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0548	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	110	%	EPA 525.2m	-88	-88	29	153	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0513	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	103	%	EPA 525.2m	-88	-88	34	154	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Ronnel (Fenclorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0516	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	103	%	EPA 525.2m	-88	-88	34	154	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.05	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	100	%	EPA 525.2m	-88	-88	29	153	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0569	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	114	%	EPA 525.2m	-88	-88	29	153	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Ronnel (Fenclorphos)	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Simazine	n/a	=	6.27	µg/L	EPA 525.2	0.015	0.1			EUM
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Simazine	n/a	=	125	%	EPA 525.2	-88	-88	53	116	EUM

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Simazine	n/a	=	5.49	µg/L	EPA 525.2	0.015	0.1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Simazine	n/a	=	110	%	EPA 525.2	-88	-88	53	116	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Simazine	n/a	=	13	%	EPA 525.2	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0719	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	144	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0714	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	143	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.7	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0553	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	111	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0519	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	104	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0814	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	163	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.114	µg/L	EPA 525.2m	0.0031	0.01			GB
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	227	%	EPA 525.2m	-88	-88	0.1	167	GB
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	33	%	EPA 525.2m	-88	-88	0	30	IL
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Terbacil	n/a	=	5.53	µg/L	EPA 525.2	0.55	2			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Terbacil	n/a	=	111	%	EPA 525.2	-88	-88	70	135	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Terbacil	n/a	=	5.28	µg/L	EPA 525.2	0.55	2			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Terbacil	n/a	=	106	%	EPA 525.2	-88	-88	70	135	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Terbacil	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Thiobencarb	n/a	=	6.25	µg/L	EPA 525.2	0.025	0.2			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Thiobencarb	n/a	=	125	%	EPA 525.2	-88	-88	56	125	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Thiobencarb	n/a	=	5.36	µg/L	EPA 525.2	0.025	0.2			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Thiobencarb	n/a	=	107	%	EPA 525.2	-88	-88	56	125	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Thiobencarb	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Tokuthion	n/a	=	0.0422	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Tokuthion	n/a	=	84	%	EPA 525.2m	-88	-88	27	160	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Tokuthion	n/a	=	0.0498	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Tokuthion	n/a	=	100	%	EPA 525.2m	-88	-88	27	160	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Tokuthion	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Tokuthion	n/a	=	0.0489	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Tokuthion	n/a	=	98	%	EPA 525.2m	-88	-88	23	159	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Tokuthion	n/a	=	0.0499	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Tokuthion	n/a	=	100	%	EPA 525.2m	-88	-88	23	159	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Tokuthion	n/a	=	0.0538	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Tokuthion	n/a	=	108	%	EPA 525.2m	-88	-88	27	160	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Tokuthion	n/a	=	0.0701	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Tokuthion	n/a	=	140	%	EPA 525.2m	-88	-88	27	160	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Tokuthion	n/a	=	26	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-3	Lab	method blank	12/24/2014	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2014/15-3	Lab	method blank	12/26/2014	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2014/15-3	000NONPJ	matrix spike	12/23/2014	Pesticide	Trichloronate	n/a	=	0.0544	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	000NONPJ	matrix spike, rec	12/23/2014	Pesticide	Trichloronate	n/a	=	109	%	EPA 525.2m	-88	-88	40	150	
2014/15-3	000NONPJ	matrix spike dup	12/23/2014	Pesticide	Trichloronate	n/a	=	0.0576	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	000NONPJ	matrix spike dup, rec	12/23/2014	Pesticide	Trichloronate	n/a	=	115	%	EPA 525.2m	-88	-88	40	150	
2014/15-3	000NONPJ	matrix spike, RPD	12/23/2014	Pesticide	Trichloronate	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/20/2014	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	Lab	LCS	12/20/2014	Pesticide	Trichloronate	n/a	=	0.0588	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	Lab	LCS, rec	12/20/2014	Pesticide	Trichloronate	n/a	=	118	%	EPA 525.2m	-88	-88	34	153	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Trichloronate	n/a	=	0.0554	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Trichloronate	n/a	=	111	%	EPA 525.2m	-88	-88	34	153	
2014/15-3	MO-VEN	matrix spike	12/20/2014	Pesticide	Trichloronate	n/a	=	0.051	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	MO-VEN	matrix spike, rec	12/20/2014	Pesticide	Trichloronate	n/a	=	102	%	EPA 525.2m	-88	-88	40	150	
2014/15-3	MO-VEN	matrix spike dup	12/20/2014	Pesticide	Trichloronate	n/a	=	0.0578	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-3	MO-VEN	matrix spike dup, rec	12/20/2014	Pesticide	Trichloronate	n/a	=	116	%	EPA 525.2m	-88	-88	40	150	
2014/15-3	MO-VEN	matrix spike, RPD	12/20/2014	Pesticide	Trichloronate	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-3	Lab	method blank	12/23/2014	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-3	Lab	LCS	12/23/2014	Pesticide	Trithion	n/a	=	5.99	µg/L	EPA 525.2	0.012	0.1			
2014/15-3	Lab	LCS, rec	12/23/2014	Pesticide	Trithion	n/a	=	120	%	EPA 525.2	-88	-88	60	124	
2014/15-3	Lab	LCS dup	12/24/2014	Pesticide	Trithion	n/a	=	5.41	µg/L	EPA 525.2	0.012	0.1			
2014/15-3	Lab	LCS dup, rec	12/24/2014	Pesticide	Trithion	n/a	=	108	%	EPA 525.2	-88	-88	60	124	
2014/15-3	Lab	LCS, RPD	12/24/2014	Pesticide	Trithion	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/9/2015	Anion	Chloride	n/a	=	64	mg/L	EPA 300.0	1	5			
2014/15-4	000NONPJ	matrix spike, rec	4/9/2015	Anion	Chloride	n/a	=	90	%	EPA 300.0	-88	-88	76	118	
2014/15-4	000NONPJ	matrix spike dup	4/9/2015	Anion	Chloride	n/a	=	64.4	mg/L	EPA 300.0	1	5			
2014/15-4	000NONPJ	matrix spike dup, rec	4/9/2015	Anion	Chloride	n/a	=	91	%	EPA 300.0	-88	-88	76	118	
2014/15-4	000NONPJ	matrix spike, RPD	4/9/2015	Anion	Chloride	n/a	=	0.7	%	EPA 300.0	-88	-88	0	20	
2014/15-4	000NONPJ	matrix spike	4/9/2015	Anion	Chloride	n/a	=	44.7	mg/L	EPA 300.0	1	5			
2014/15-4	000NONPJ	matrix spike, rec	4/9/2015	Anion	Chloride	n/a	=	98	%	EPA 300.0	-88	-88	76	118	
2014/15-4	000NONPJ	matrix spike dup	4/9/2015	Anion	Chloride	n/a	=	44.5	mg/L	EPA 300.0	1	5			
2014/15-4	000NONPJ	matrix spike dup, rec	4/9/2015	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	76	118	
2014/15-4	000NONPJ	matrix spike, RPD	4/9/2015	Anion	Chloride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2014/15-4	Lab	method blank	4/9/2015	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2014/15-4	Lab	LCS	4/9/2015	Anion	Chloride	n/a	=	4.12	mg/L	EPA 300.0	0.1	0.5			
2014/15-4	Lab	LCS, rec	4/9/2015	Anion	Chloride	n/a	=	103	%	EPA 300.0	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike	4/9/2015	Anion	Fluoride	n/a	=	19.8	mg/L	EPA 300.0	0.2	1			
2014/15-4	000NONPJ	matrix spike, rec	4/9/2015	Anion	Fluoride	n/a	=	97	%	EPA 300.0	-88	-88	86	107	
2014/15-4	000NONPJ	matrix spike dup	4/9/2015	Anion	Fluoride	n/a	=	19.9	mg/L	EPA 300.0	0.2	1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/9/2015	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	86	107	
2014/15-4	000NONPJ	matrix spike, RPD	4/9/2015	Anion	Fluoride	n/a	=	0.8	%	EPA 300.0	-88	-88	0	20	
2014/15-4	000NONPJ	matrix spike	4/9/2015	Anion	Fluoride	n/a	=	19.9	mg/L	EPA 300.0	0.2	1			
2014/15-4	000NONPJ	matrix spike, rec	4/9/2015	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2014/15-4	000NONPJ	matrix spike dup	4/9/2015	Anion	Fluoride	n/a	=	19.7	mg/L	EPA 300.0	0.2	1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/9/2015	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	86	107	
2014/15-4	000NONPJ	matrix spike, RPD	4/9/2015	Anion	Fluoride	n/a	=	0.7	%	EPA 300.0	-88	-88	0	20	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	method blank	4/9/2015	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2014/15-4	Lab	LCS	4/9/2015	Anion	Fluoride	n/a	=	2.15	mg/L	EPA 300.0	0.02	0.1			
2014/15-4	Lab	LCS, rec	4/9/2015	Anion	Fluoride	n/a	=	108	%	EPA 300.0	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike	4/10/2015	Anion	Perchlorate	n/a	=	17.4	µg/L	EPA 314.0	0.95	2			
2014/15-4	000NONPJ	matrix spike, rec	4/10/2015	Anion	Perchlorate	n/a	=	91	%	EPA 314.0	-88	-88	80	120	
2014/15-4	000NONPJ	matrix spike dup	4/10/2015	Anion	Perchlorate	n/a	=	17.4	µg/L	EPA 314.0	0.95	2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/10/2015	Anion	Perchlorate	n/a	=	91	%	EPA 314.0	-88	-88	80	120	
2014/15-4	000NONPJ	matrix spike, RPD	4/10/2015	Anion	Perchlorate	n/a	=	0.05	%	EPA 314.0	-88	-88	0	15	
2014/15-4	Lab	method blank	4/10/2015	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-4	Lab	LCS	4/10/2015	Anion	Perchlorate	n/a	=	10.2	µg/L	EPA 314.0	0.95	2			
2014/15-4	Lab	LCS, rec	4/10/2015	Anion	Perchlorate	n/a	=	102	%	EPA 314.0	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Cation	Calcium	Total	=	25.9	mg/L	EPA 200.7	0.016	0.1			GB
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Cation	Calcium	Total	=	266	%	EPA 200.7	-88	-88	70	130	GB
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Cation	Calcium	Total	=	25.3	mg/L	EPA 200.7	0.016	0.1			GB
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Cation	Calcium	Total	=	-18	%	EPA 200.7	-88	-88	70	130	GB
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2014/15-4	Lab	LCS	4/15/2015	Cation	Calcium	Total	=	0.204	mg/L	EPA 200.7	0.016	0.1			
2014/15-4	Lab	LCS, rec	4/15/2015	Cation	Calcium	Total	=	102	%	EPA 200.7	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Cation	Magnesium	Total	=	6.35	mg/L	EPA 200.7	0.012	0.1			GB
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Cation	Magnesium	Total	=	200	%	EPA 200.7	-88	-88	70	130	GB
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Cation	Magnesium	Total	=	6.22	mg/L	EPA 200.7	0.012	0.1			GB
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Cation	Magnesium	Total	=	131	%	EPA 200.7	-88	-88	70	130	GB
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2014/15-4	Lab	LCS	4/15/2015	Cation	Magnesium	Total	=	0.205	mg/L	EPA 200.7	0.012	0.1			
2014/15-4	Lab	LCS, rec	4/15/2015	Cation	Magnesium	Total	=	102	%	EPA 200.7	-88	-88	85	115	
2014/15-4	000NONPJ	lab duplicate	4/10/2015	Conventional	Alkalinity as CaCO3	n/a	=	25.2	mg/L	SM 2320 B	0.56	2		15	
2014/15-4	Lab	LCS	4/10/2015	Conventional	Alkalinity as CaCO3	n/a	=	260	mg/L	SM 2320 B	0.56	2			
2014/15-4	Lab	LCS, rec	4/10/2015	Conventional	Alkalinity as CaCO3	n/a	=	104	%	SM 2320 B	-88	-88	94	108	
2014/15-4	Lab	method blank	4/10/2015	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.41	mg/L	SM 2320 B	0.56	2			
2014/15-4	000NONPJ	lab duplicate	4/14/2015	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2014/15-4	Lab	LCS	4/14/2015	Conventional	BOD	n/a	=	174	mg/L	SM 5210 B	2	2			
2014/15-4	Lab	LCS, rec	4/14/2015	Conventional	BOD	n/a	=	88	%	SM 5210 B	-88	-88	85	115	
2014/15-4	000NONPJ	lab duplicate	4/13/2015	Conventional	COD	n/a	=	14100	mg/L	EPA 410.4	7.3	50		15	
2014/15-4	000NONPJ	matrix spike	4/13/2015	Conventional	COD	n/a	=	3030	mg/L	EPA 410.4	1.5	10			
2014/15-4	000NONPJ	matrix spike	4/13/2015	Conventional	COD	n/a	=	204	mg/L	EPA 410.4	1.5	10			
2014/15-4	000NONPJ	matrix spike dup	4/13/2015	Conventional	COD	n/a	=	195	mg/L	EPA 410.4	1.5	10			
2014/15-4	000NONPJ	matrix spike dup	4/13/2015	Conventional	COD	n/a	=	2990	mg/L	EPA 410.4	1.5	10			
2014/15-4	000NONPJ	matrix spike dup, rec	4/13/2015	Conventional	COD	n/a	=	97	%	EPA 410.4	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike dup, rec	4/13/2015	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, rec	4/13/2015	Conventional	COD	n/a	=	105	%	EPA 410.4	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, rec	4/13/2015	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, RPD	4/13/2015	Conventional	COD	n/a	=	5	%	EPA 410.4	-88	-88	0	15	
2014/15-4	000NONPJ	matrix spike, RPD	4/13/2015	Conventional	COD	n/a	=	1	%	EPA 410.4	-88	-88	0	15	
2014/15-4	Lab	LCS	4/13/2015	Conventional	COD	n/a	=	103	mg/L	EPA 410.4	0.73	5			
2014/15-4	Lab	LCS, rec	4/13/2015	Conventional	COD	n/a	=	103	%	EPA 410.4	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	method blank	4/13/2015	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2014/15-4	000NONPJ	lab duplicate	4/14/2015	Conventional	Cyanide	Total	=	1.23	mg/L	ASTM D7511	0.019	0.08		20	
2014/15-4	000NONPJ	matrix spike	4/14/2015	Conventional	Cyanide	Total	=	0.0499	mg/L	ASTM D7511	0.0005	0.002			
2014/15-4	000NONPJ	matrix spike	4/14/2015	Conventional	Cyanide	Total	=	0.053	mg/L	ASTM D7511	0.0005	0.002			
2014/15-4	000NONPJ	matrix spike dup	4/14/2015	Conventional	Cyanide	Total	=	0.0555	mg/L	ASTM D7511	0.0005	0.002			
2014/15-4	000NONPJ	matrix spike dup	4/14/2015	Conventional	Cyanide	Total	=	0.0497	mg/L	ASTM D7511	0.0005	0.002			
2014/15-4	000NONPJ	matrix spike dup, rec	4/14/2015	Conventional	Cyanide	Total	=	111	%	ASTM D7511	-88	-88	64	136	
2014/15-4	000NONPJ	matrix spike dup, rec	4/14/2015	Conventional	Cyanide	Total	=	92	%	ASTM D7511	-88	-88	64	136	
2014/15-4	000NONPJ	matrix spike, rec	4/14/2015	Conventional	Cyanide	Total	=	92	%	ASTM D7511	-88	-88	64	136	
2014/15-4	000NONPJ	matrix spike, rec	4/14/2015	Conventional	Cyanide	Total	=	106	%	ASTM D7511	-88	-88	64	136	
2014/15-4	000NONPJ	matrix spike, RPD	4/14/2015	Conventional	Cyanide	Total	=	0.3	%	ASTM D7511	-88	-88	0	47	
2014/15-4	000NONPJ	matrix spike, RPD	4/14/2015	Conventional	Cyanide	Total	=	5	%	ASTM D7511	-88	-88	0	47	
2014/15-4	Lab	LCS	4/14/2015	Conventional	Cyanide	Total	=	0.0488	mg/L	ASTM D7511	0.0005	0.002			
2014/15-4	Lab	LCS, rec	4/14/2015	Conventional	Cyanide	Total	=	98	%	ASTM D7511	-88	-88	84	116	
2014/15-4	Lab	method blank	4/14/2015	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2014/15-4	000NONPJ	matrix spike	4/9/2015	Conventional	MBAS	n/a	=	0.242	mg/L	SM 5540 C	0.019	0.05			
2014/15-4	000NONPJ	matrix spike dup	4/9/2015	Conventional	MBAS	n/a	=	0.228	mg/L	SM 5540 C	0.019	0.05			
2014/15-4	000NONPJ	matrix spike dup, rec	4/9/2015	Conventional	MBAS	n/a	=	90	%	SM 5540 C	-88	-88	74	123	
2014/15-4	000NONPJ	matrix spike, rec	4/9/2015	Conventional	MBAS	n/a	=	98	%	SM 5540 C	-88	-88	74	123	
2014/15-4	000NONPJ	matrix spike, RPD	4/9/2015	Conventional	MBAS	n/a	=	6	%	SM 5540 C	-88	-88	0	20	
2014/15-4	Lab	LCS	4/9/2015	Conventional	MBAS	n/a	=	0.211	mg/L	SM 5540 C	0.019	0.05			
2014/15-4	Lab	LCS, rec	4/9/2015	Conventional	MBAS	n/a	=	105	%	SM 5540 C	-88	-88	82	115	
2014/15-4	Lab	method blank	4/9/2015	Conventional	MBAS	n/a	DNQ	0.0193	mg/L	SM 5540 C	0.019	0.05			
2014/15-4	000NONPJ	matrix spike	4/23/2015	Conventional	Phenolics	n/a	=	0.305	mg/L	EPA 420.4	0.0042	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/23/2015	Conventional	Phenolics	n/a	=	102	%	EPA 420.4	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike dup	4/23/2015	Conventional	Phenolics	n/a	=	0.309	mg/L	EPA 420.4	0.0042	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/23/2015	Conventional	Phenolics	n/a	=	104	%	EPA 420.4	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, RPD	4/23/2015	Conventional	Phenolics	n/a	=	1	%	EPA 420.4	-88	-88	0	20	
2014/15-4	Lab	LCS	4/23/2015	Conventional	Phenolics	n/a	=	0.0995	mg/L	EPA 420.4	0.0042	0.01			
2014/15-4	Lab	LCS, rec	4/23/2015	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88	90	110	
2014/15-4	Lab	method blank	4/23/2015	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2014/15-4	000NONPJ	lab duplicate	4/11/2015	Conventional	Specific Conductance	n/a	=	207	µmhos/cm	SM 2510 B	0.23	2		4.28	
2014/15-4	Lab	LCS	4/11/2015	Conventional	Specific Conductance	n/a	=	191	µmhos/cm	SM 2510 B	0.23	2			
2014/15-4	Lab	LCS, rec	4/11/2015	Conventional	Specific Conductance	n/a	=	95	%	SM 2510 B	-88	-88	95	105	
2014/15-4	Lab	method blank	4/11/2015	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2014/15-4	000NONPJ	lab duplicate	4/13/2015	Conventional	Total Dissolved Solids	n/a	=	5980	mg/L	SM 2540 C	4	10		10	
2014/15-4	000NONPJ	lab duplicate	4/13/2015	Conventional	Total Dissolved Solids	n/a	=	690	mg/L	SM 2540 C	4	10		10	
2014/15-4	Lab	LCS	4/13/2015	Conventional	Total Dissolved Solids	n/a	=	806	mg/L	SM 2540 C	4	10			
2014/15-4	Lab	LCS, rec	4/13/2015	Conventional	Total Dissolved Solids	n/a	=	98	%	SM 2540 C	-88	-88	96	102	
2014/15-4	Lab	method blank	4/13/2015	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2014/15-4	000NONPJ	matrix spike	4/10/2015	Conventional	Total Organic Carbon	n/a	=	5.88	mg/L	SM 5310 C	0.009	0.3			
2014/15-4	000NONPJ	matrix spike dup	4/10/2015	Conventional	Total Organic Carbon	n/a	=	5.83	mg/L	SM 5310 C	0.009	0.3			
2014/15-4	000NONPJ	matrix spike dup, rec	4/10/2015	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 C	-88	-88	80	116	
2014/15-4	000NONPJ	matrix spike, rec	4/10/2015	Conventional	Total Organic Carbon	n/a	=	100	%	SM 5310 C	-88	-88	80	116	
2014/15-4	000NONPJ	matrix spike, RPD	4/10/2015	Conventional	Total Organic Carbon	n/a	=	0.9	%	SM 5310 C	-88	-88	0	20	
2014/15-4	Lab	LCS	4/10/2015	Conventional	Total Organic Carbon	n/a	=	5.12	mg/L	SM 5310 C	0.009	0.3			
2014/15-4	Lab	LCS, rec	4/10/2015	Conventional	Total Organic Carbon	n/a	=	102	%	SM 5310 C	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	method blank	4/10/2015	Conventional	Total Organic Carbon	n/a	DNQ	0.0429	mg/L	SM 5310 C	0.009	0.3			
2014/15-4	000NONPJ	lab duplicate	4/13/2015	Conventional	Total Suspended Solids	n/a	DNQ	2	mg/L	SM 2540 D	-88	5		20	
2014/15-4	Lab	method blank	4/13/2015	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2014/15-4	MO-OJA	lab duplicate	4/13/2015	Conventional	Total Suspended Solids	n/a	=	164	mg/L	SM 2540 D	-88	5		20	
2014/15-4	000NONPJ	lab duplicate	4/9/2015	Conventional	Turbidity	n/a	DNQ	0.08	NTU	EPA 180.1	0.024	0.1		10	
2014/15-4	Lab	LCS	4/9/2015	Conventional	Turbidity	n/a	=	10.2	NTU	EPA 180.1	0.024	0.1			
2014/15-4	Lab	LCS, rec	4/9/2015	Conventional	Turbidity	n/a	=	102	%	EPA 180.1	-88	-88	90	110	
2014/15-4	Lab	method blank	4/9/2015	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2014/15-4	Lab	method blank	4/13/2015	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2014/15-4	MO-OJA	lab duplicate	4/13/2015	Conventional	Volatile Suspended Solids	n/a	=	120	mg/L	EPA 160.4	3.1	5		15	
2014/15-4	Lab	method blank	4/18/2015	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1			
2014/15-4	Lab	LCS	4/18/2015	Hydrocarbon	Diesel Range Organics	n/a	=	0.437	mg/L	EPA 8015B	0.024	0.1			
2014/15-4	Lab	LCS, rec	4/18/2015	Hydrocarbon	Diesel Range Organics	n/a	=	87	%	EPA 8015B	-88	-88	56	136	
2014/15-4	Lab	LCS dup	4/18/2015	Hydrocarbon	Diesel Range Organics	n/a	=	0.448	mg/L	EPA 8015B	0.024	0.1			
2014/15-4	Lab	LCS dup, rec	4/18/2015	Hydrocarbon	Diesel Range Organics	n/a	=	90	%	EPA 8015B	-88	-88	56	136	
2014/15-4	Lab	LCS, RPD	4/18/2015	Hydrocarbon	Diesel Range Organics	n/a	=	2	%	EPA 8015B	-88	-88	0	25	
2014/15-4	Lab	method blank	4/21/2015	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1			
2014/15-4	Lab	LCS	4/21/2015	Hydrocarbon	Diesel Range Organics	n/a	=	0.486	mg/L	EPA 8015B	0.024	0.1			
2014/15-4	Lab	LCS, rec	4/21/2015	Hydrocarbon	Diesel Range Organics	n/a	=	97	%	EPA 8015B	-88	-88	56	136	
2014/15-4	Lab	LCS dup	4/21/2015	Hydrocarbon	Diesel Range Organics	n/a	=	0.571	mg/L	EPA 8015B	0.024	0.1			
2014/15-4	Lab	LCS dup, rec	4/21/2015	Hydrocarbon	Diesel Range Organics	n/a	=	114	%	EPA 8015B	-88	-88	56	136	
2014/15-4	Lab	LCS, RPD	4/21/2015	Hydrocarbon	Diesel Range Organics	n/a	=	16	%	EPA 8015B	-88	-88	0	25	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.07	mg/L	EPA 8015B	0.044	0.1			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	107	%	EPA 8015B	-88	-88	63	136	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.16	mg/L	EPA 8015B	0.044	0.1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	116	%	EPA 8015B	-88	-88	63	136	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	8	%	EPA 8015B	-88	-88	0	25	
2014/15-4	Lab	method blank	4/14/2015	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-4	Lab	LCS	4/14/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.12	mg/L	EPA 8015B	0.044	0.1			
2014/15-4	Lab	LCS, rec	4/14/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	112	%	EPA 8015B	-88	-88	75	123	
2014/15-4	Lab	LCS dup	4/14/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.12	mg/L	EPA 8015B	0.044	0.1			
2014/15-4	Lab	LCS dup, rec	4/14/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	112	%	EPA 8015B	-88	-88	75	123	
2014/15-4	Lab	LCS, RPD	4/14/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	0.7	%	EPA 8015B	-88	-88	0	25	
2014/15-4	Lab	method blank	4/15/2015	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-4	Lab	LCS	4/15/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.11	mg/L	EPA 8015B	0.044	0.1			
2014/15-4	Lab	LCS, rec	4/15/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	111	%	EPA 8015B	-88	-88	75	123	
2014/15-4	Lab	LCS dup	4/15/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.12	mg/L	EPA 8015B	0.044	0.1			
2014/15-4	Lab	LCS dup, rec	4/15/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	112	%	EPA 8015B	-88	-88	75	123	
2014/15-4	Lab	LCS, RPD	4/15/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1	%	EPA 8015B	-88	-88	0	25	
2014/15-4	Lab	srgt method blank	4/18/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.289	mg/L	EPA 8015B	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/18/2015	Hydrocarbon	n-Tetracosane	n/a	=	116	%	EPA 8015B	-88	-88	64	155	
2014/15-4	Lab	srgt LCS	4/18/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.283	mg/L	EPA 8015B	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/18/2015	Hydrocarbon	n-Tetracosane	n/a	=	113	%	EPA 8015B	-88	-88	64	155	
2014/15-4	Lab	srgt LCS dup	4/18/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.295	mg/L	EPA 8015B	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/18/2015	Hydrocarbon	n-Tetracosane	n/a	=	118	%	EPA 8015B	-88	-88	64	155	
2014/15-4	Lab	srgt method blank	4/21/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.374	mg/L	EPA 8015B	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/21/2015	Hydrocarbon	n-Tetracosane	n/a	=	150	%	EPA 8015B	-88	-88	64	155	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	srgt LCS	4/21/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.353	mg/L	EPA 8015B	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/21/2015	Hydrocarbon	n-Tetracosane	n/a	=	141	%	EPA 8015B	-88	-88	64	155	
2014/15-4	Lab	srgt LCS dup	4/21/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.385	mg/L	EPA 8015B	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/21/2015	Hydrocarbon	n-Tetracosane	n/a	=	154	%	EPA 8015B	-88	-88	64	155	
2014/15-4	MO-MEI	srgt environ	4/18/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.282	mg/L	EPA 8015B	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/18/2015	Hydrocarbon	n-Tetracosane	n/a	=	113	%	EPA 8015B	-88	-88	64	155	
2014/15-4	MO-OJA	srgt environ	4/18/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.276	mg/L	EPA 8015B	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/18/2015	Hydrocarbon	n-Tetracosane	n/a	=	111	%	EPA 8015B	-88	-88	64	155	
2014/15-4	Lab	LCS	4/9/2015	Hydrocarbon	Oil and Grease	n/a	=	19.1	mg/L	EPA 1664A	1.3	5			
2014/15-4	Lab	LCS	4/9/2015	Hydrocarbon	Oil and Grease	n/a	DNQ	4	mg/L	EPA 1664A	1.3	5			
2014/15-4	Lab	LCS dup	4/9/2015	Hydrocarbon	Oil and Grease	n/a	=	17.3	mg/L	EPA 1664A	1.3	5			
2014/15-4	Lab	LCS dup, rec	4/9/2015	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2014/15-4	Lab	LCS, rec	4/9/2015	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2014/15-4	Lab	LCS, rec	4/9/2015	Hydrocarbon	Oil and Grease	n/a	=	80	%	EPA 1664A	-88	-88	78	114	
2014/15-4	Lab	LCS, RPD	4/9/2015	Hydrocarbon	Oil and Grease	n/a	=	10	%	EPA 1664A	-88	-88	0	18	
2014/15-4	Lab	method blank	4/9/2015	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2014/15-4	ME-VR2	matrix spike	4/9/2015	Hydrocarbon	Oil and Grease	n/a	=	19.2	mg/L	EPA 1664A	1.3	5			
2014/15-4	ME-VR2	matrix spike, rec	4/9/2015	Hydrocarbon	Oil and Grease	n/a	=	87	%	EPA 1664A	-88	-88	78	114	
2014/15-4	Lab	method blank	4/18/2015	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2014/15-4	Lab	method blank	4/21/2015	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2014/15-4	Lab	method blank	4/20/2015	Metal	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5			
2014/15-4	Lab	LCS	4/20/2015	Metal	Aluminum	Dissolved	=	51.7	µg/L	EPA 200.8	1.3	5			
2014/15-4	Lab	LCS, rec	4/20/2015	Metal	Aluminum	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/20/2015	Metal	Aluminum	Total	=	3210	µg/L	EPA 200.8	1.3	5			GB
2014/15-4	000NONPJ	matrix spike, rec	4/20/2015	Metal	Aluminum	Total	=	450	%	EPA 200.8	-88	-88	70	130	GB
2014/15-4	000NONPJ	matrix spike dup	4/20/2015	Metal	Aluminum	Total	=	3280	µg/L	EPA 200.8	1.3	5			GB
2014/15-4	000NONPJ	matrix spike dup, rec	4/20/2015	Metal	Aluminum	Total	=	598	%	EPA 200.8	-88	-88	70	130	GB
2014/15-4	000NONPJ	matrix spike, RPD	4/20/2015	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/20/2015	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2014/15-4	Lab	LCS	4/20/2015	Metal	Aluminum	Total	=	51.7	µg/L	EPA 200.8	1.3	5			
2014/15-4	Lab	LCS, rec	4/20/2015	Metal	Aluminum	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-4	Lab	method blank	4/19/2015	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2014/15-4	Lab	LCS	4/19/2015	Metal	Antimony	Dissolved	=	46.9	µg/L	EPA 200.8	0.045	0.5			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Antimony	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Antimony	Total	=	45.6	µg/L	EPA 200.8	0.045	0.5			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Antimony	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Antimony	Total	=	46	µg/L	EPA 200.8	0.045	0.5			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Antimony	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Antimony	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2014/15-4	Lab	LCS	4/19/2015	Metal	Antimony	Total	=	46.9	µg/L	EPA 200.8	0.045	0.5			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Antimony	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2014/15-4	Lab	method blank	4/19/2015	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2014/15-4	Lab	LCS	4/19/2015	Metal	Arsenic	Dissolved	=	51.3	µg/L	EPA 200.8	0.074	0.4			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Arsenic	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Arsenic	Total	=	53.1	µg/L	EPA 200.8	0.074	0.4			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Arsenic	Total	=	54.5	µg/L	EPA 200.8	0.074	0.4			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Arsenic	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2014/15-4	Lab	LCS	4/19/2015	Metal	Arsenic	Total	=	51.3	µg/L	EPA 200.8	0.074	0.4			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Arsenic	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Barium	Total	=	122	µg/L	EPA 200.8	0.071	0.5			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Barium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Barium	Total	=	122	µg/L	EPA 200.8	0.071	0.5			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Barium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2014/15-4	Lab	LCS	4/19/2015	Metal	Barium	Total	=	49.5	µg/L	EPA 200.8	0.071	0.5			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Barium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-4	Lab	method blank	4/19/2015	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2014/15-4	Lab	LCS	4/19/2015	Metal	Beryllium	Dissolved	=	45.9	µg/L	EPA 200.8	0.033	0.1			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Beryllium	Dissolved	=	92	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Beryllium	Total	=	47.6	µg/L	EPA 200.8	0.033	0.1			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Beryllium	Total	=	47.2	µg/L	EPA 200.8	0.033	0.1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Beryllium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Beryllium	Total	=	0.9	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2014/15-4	Lab	LCS	4/19/2015	Metal	Beryllium	Total	=	45.9	µg/L	EPA 200.8	0.033	0.1			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Beryllium	Total	=	92	%	EPA 200.8	-88	-88	85	115	
2014/15-4	Lab	method blank	4/19/2015	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2014/15-4	Lab	LCS	4/19/2015	Metal	Cadmium	Dissolved	=	50.4	µg/L	EPA 200.8	0.041	0.1			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Cadmium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Cadmium	Total	=	50.1	µg/L	EPA 200.8	0.041	0.1			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Cadmium	Total	=	50.2	µg/L	EPA 200.8	0.041	0.1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Cadmium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Cadmium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2014/15-4	Lab	LCS	4/19/2015	Metal	Cadmium	Total	=	50.4	µg/L	EPA 200.8	0.041	0.1			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Cadmium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-4	Lab	method blank	4/19/2015	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2014/15-4	Lab	LCS	4/19/2015	Metal	Chromium	Dissolved	=	50.8	µg/L	EPA 200.8	0.035	0.2			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Chromium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Chromium	Total	=	55.3	µg/L	EPA 200.8	0.035	0.2			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Chromium	Total	=	57.7	µg/L	EPA 200.8	0.035	0.2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Chromium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Chromium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2014/15-4	Lab	LCS	4/19/2015	Metal	Chromium	Total	=	50.8	µg/L	EPA 200.8	0.035	0.2			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike	4/9/2015	Metal	Chromium VI	n/a	=	7.23	µg/L	EPA 218.6	0.0048	0.02			
2014/15-4	000NONPJ	matrix spike, rec	4/9/2015	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2014/15-4	000NONPJ	matrix spike dup	4/9/2015	Metal	Chromium VI	n/a	=	7.31	µg/L	EPA 218.6	0.0048	0.02			
2014/15-4	000NONPJ	matrix spike dup, rec	4/9/2015	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2014/15-4	000NONPJ	matrix spike, RPD	4/9/2015	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2014/15-4	Lab	method blank	4/9/2015	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2014/15-4	Lab	LCS	4/9/2015	Metal	Chromium VI	n/a	=	5.02	µg/L	EPA 218.6	0.0048	0.02			
2014/15-4	Lab	LCS, rec	4/9/2015	Metal	Chromium VI	n/a	=	100	%	EPA 218.6	-88	-88	90	110	
2014/15-4	Lab	method blank	4/19/2015	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2014/15-4	Lab	LCS	4/19/2015	Metal	Copper	Dissolved	=	52.1	µg/L	EPA 200.8	0.13	0.5			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Copper	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Copper	Total	=	97.9	µg/L	EPA 200.8	0.13	0.5			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Copper	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Copper	Total	=	101	µg/L	EPA 200.8	0.13	0.5			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Copper	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Copper	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2014/15-4	Lab	LCS	4/19/2015	Metal	Copper	Total	=	52.1	µg/L	EPA 200.8	0.13	0.5			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Copper	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-4	Lab	method blank	4/15/2015	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-4	Lab	LCS	4/15/2015	Metal	Iron	Dissolved	=	199	µg/L	EPA 200.7	1.1	10			
2014/15-4	Lab	LCS, rec	4/15/2015	Metal	Iron	Dissolved	=	99	%	EPA 200.7	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Metal	Iron	Total	=	5840	µg/L	EPA 200.7	1.1	10			GB
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Metal	Iron	Total	=	274	%	EPA 200.7	-88	-88	70	130	GB
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Metal	Iron	Total	=	5470	µg/L	EPA 200.7	1.1	10			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Metal	Iron	Total	=	86	%	EPA 200.7	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Metal	Iron	Total	=	7	%	EPA 200.7	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-4	Lab	LCS	4/15/2015	Metal	Iron	Total	=	199	µg/L	EPA 200.7	1.1	10			
2014/15-4	Lab	LCS, rec	4/15/2015	Metal	Iron	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2014/15-4	Lab	method blank	4/19/2015	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2014/15-4	Lab	LCS	4/19/2015	Metal	Lead	Dissolved	=	49.4	µg/L	EPA 200.8	0.031	0.2			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Lead	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Lead	Total	=	55.6	µg/L	EPA 200.8	0.031	0.2			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Lead	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Lead	Total	=	56	µg/L	EPA 200.8	0.031	0.2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Lead	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Lead	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2014/15-4	Lab	LCS	4/19/2015	Metal	Lead	Total	=	49.4	µg/L	EPA 200.8	0.031	0.2			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Metal	Mercury	Dissolved	=	923	ng/L	EPA 245.1	3.9	50			
2014/15-4	000NONPJ	matrix spike	4/15/2015	Metal	Mercury	Dissolved	=	879	ng/L	EPA 245.1	3.9	50			
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Metal	Mercury	Dissolved	=	938	ng/L	EPA 245.1	3.9	50			
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Metal	Mercury	Dissolved	=	865	ng/L	EPA 245.1	3.9	50			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Metal	Mercury	Dissolved	=	93	%	EPA 245.1	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Metal	Mercury	Dissolved	=	86	%	EPA 245.1	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Metal	Mercury	Dissolved	=	87	%	EPA 245.1	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Metal	Mercury	Dissolved	=	91	%	EPA 245.1	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Metal	Mercury	Dissolved	=	2	%	EPA 245.1	-88	-88	0	20	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Metal	Mercury	Dissolved	=	2	%	EPA 245.1	-88	-88	0	20	
2014/15-4	Lab	LCS	4/15/2015	Metal	Mercury	Dissolved	=	916	ng/L	EPA 245.1	3.9	50			
2014/15-4	Lab	LCS, rec	4/15/2015	Metal	Mercury	Dissolved	=	92	%	EPA 245.1	-88	-88	85	115	
2014/15-4	Lab	method blank	4/15/2015	Metal	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-4	000NONPJ	matrix spike	4/15/2015	Metal	Mercury	Total	=	923	ng/L	EPA 245.1	3.9	50			
2014/15-4	000NONPJ	matrix spike	4/15/2015	Metal	Mercury	Total	=	879	ng/L	EPA 245.1	3.9	50			
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Metal	Mercury	Total	=	865	ng/L	EPA 245.1	3.9	50			
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Metal	Mercury	Total	=	938	ng/L	EPA 245.1	3.9	50			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Metal	Mercury	Total	=	86	%	EPA 245.1	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Metal	Mercury	Total	=	93	%	EPA 245.1	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Metal	Mercury	Total	=	91	%	EPA 245.1	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Metal	Mercury	Total	=	87	%	EPA 245.1	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2014/15-4	Lab	LCS	4/15/2015	Metal	Mercury	Total	=	916	ng/L	EPA 245.1	3.9	50			
2014/15-4	Lab	LCS, rec	4/15/2015	Metal	Mercury	Total	=	92	%	EPA 245.1	-88	-88	85	115	
2014/15-4	Lab	method blank	4/15/2015	Metal	Mercury	Total	DNQ	6	ng/L	EPA 245.1	3.9	50			
2014/15-4	Lab	method blank	4/19/2015	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2014/15-4	Lab	LCS	4/19/2015	Metal	Nickel	Dissolved	=	52	µg/L	EPA 200.8	0.045	0.8			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Nickel	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Nickel	Total	=	76.3	µg/L	EPA 200.8	0.045	0.8			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Nickel	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Nickel	Total	=	78.9	µg/L	EPA 200.8	0.045	0.8			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Nickel	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Nickel	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2014/15-4	Lab	LCS	4/19/2015	Metal	Nickel	Total	=	52	µg/L	EPA 200.8	0.045	0.8			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-4	Lab	method blank	4/19/2015	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2014/15-4	Lab	LCS	4/19/2015	Metal	Selenium	Dissolved	=	50.7	µg/L	EPA 200.8	0.14	0.4			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Selenium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Selenium	Total	=	51.6	µg/L	EPA 200.8	0.14	0.4			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Selenium	Total	=	52.3	µg/L	EPA 200.8	0.14	0.4			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Selenium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2014/15-4	Lab	LCS	4/19/2015	Metal	Selenium	Total	=	50.7	µg/L	EPA 200.8	0.14	0.4			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-4	Lab	method blank	4/19/2015	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2014/15-4	Lab	LCS	4/19/2015	Metal	Silver	Dissolved	=	48.5	µg/L	EPA 200.8	0.062	0.2			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Silver	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Silver	Total	=	47.1	µg/L	EPA 200.8	0.062	0.2			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Silver	Total	=	47.2	µg/L	EPA 200.8	0.062	0.2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Silver	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2014/15-4	Lab	LCS	4/19/2015	Metal	Silver	Total	=	48.5	µg/L	EPA 200.8	0.062	0.2			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Silver	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-4	Lab	method blank	4/19/2015	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2014/15-4	Lab	LCS	4/19/2015	Metal	Thallium	Dissolved	=	50.8	µg/L	EPA 200.8	0.014	0.2			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Thallium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Thallium	Total	=	50	µg/L	EPA 200.8	0.014	0.2			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Thallium	Total	=	50.7	µg/L	EPA 200.8	0.014	0.2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Thallium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2014/15-4	Lab	LCS	4/19/2015	Metal	Thallium	Total	=	50.8	µg/L	EPA 200.8	0.014	0.2			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Thallium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-4	Lab	method blank	4/19/2015	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2014/15-4	Lab	LCS	4/19/2015	Metal	Zinc	Dissolved	=	50.6	µg/L	EPA 200.8	0.94	5			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Zinc	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/19/2015	Metal	Zinc	Total	=	384	µg/L	EPA 200.8	0.94	5			
2014/15-4	000NONPJ	matrix spike, rec	4/19/2015	Metal	Zinc	Total	=	108	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/19/2015	Metal	Zinc	Total	=	389	µg/L	EPA 200.8	0.94	5			
2014/15-4	000NONPJ	matrix spike dup, rec	4/19/2015	Metal	Zinc	Total	=	118	%	EPA 200.8	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/19/2015	Metal	Zinc	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-4	Lab	method blank	4/19/2015	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2014/15-4	Lab	LCS	4/19/2015	Metal	Zinc	Total	=	50.6	µg/L	EPA 200.8	0.94	5			
2014/15-4	Lab	LCS, rec	4/19/2015	Metal	Zinc	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-4	000NONPJ	matrix spike	4/14/2015	Nutrient	Ammonia as N	n/a	=	0.434	mg/L	EPA 350.1	0.048	0.1			
2014/15-4	000NONPJ	matrix spike dup	4/14/2015	Nutrient	Ammonia as N	n/a	=	0.432	mg/L	EPA 350.1	0.048	0.1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/14/2015	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, rec	4/14/2015	Nutrient	Ammonia as N	n/a	=	104	%	EPA 350.1	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, RPD	4/14/2015	Nutrient	Ammonia as N	n/a	=	0.4	%	EPA 350.1	-88	-88	0	15	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Nutrient	Ammonia as N	n/a	=	4.17	mg/L	EPA 350.1	0.48	1			
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Nutrient	Ammonia as N	n/a	=	4.21	mg/L	EPA 350.1	0.48	1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Nutrient	Ammonia as N	n/a	=	98	%	EPA 350.1	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Nutrient	Ammonia as N	n/a	=	0.8	%	EPA 350.1	-88	-88	0	15	
2014/15-4	Lab	LCS	4/14/2015	Nutrient	Ammonia as N	n/a	=	0.257	mg/L	EPA 350.1	0.048	0.1			
2014/15-4	Lab	LCS, rec	4/14/2015	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2014/15-4	Lab	method blank	4/14/2015	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-4	Lab	LCS	4/15/2015	Nutrient	Ammonia as N	n/a	=	0.249	mg/L	EPA 350.1	0.048	0.1			
2014/15-4	Lab	LCS, rec	4/15/2015	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2014/15-4	Lab	method blank	4/15/2015	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-4	000NONPJ	matrix spike	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.57	mg/L	EPA 353.2	0.01	0.1			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.64	mg/L	EPA 353.2	0.01	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	3	%	EPA 353.2	-88	-88	0	20	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.11	mg/L	EPA 353.2	0.01	0.1			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	95	%	EPA 353.2	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.12	mg/L	EPA 353.2	0.01	0.1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	0.8	%	EPA 353.2	-88	-88	0	20	
2014/15-4	Lab	method blank	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	DNQ	0.022	mg/L	EPA 353.2	0.01	0.1			
2014/15-4	Lab	LCS	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	0.976	mg/L	EPA 353.2	0.01	0.1			
2014/15-4	Lab	LCS, rec	4/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike	4/13/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0848	mg/L	EPA 365.1	0.0014	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/13/2015	Nutrient	Phosphorus as P	Dissolved	=	103	%	EPA 365.1	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike dup	4/13/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0845	mg/L	EPA 365.1	0.0014	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/13/2015	Nutrient	Phosphorus as P	Dissolved	=	102	%	EPA 365.1	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, RPD	4/13/2015	Nutrient	Phosphorus as P	Dissolved	=	0.4	%	EPA 365.1	-88	-88	0	20	
2014/15-4	Lab	method blank	4/13/2015	Nutrient	Phosphorus as P	Dissolved	DNQ	0.0022	mg/L	EPA 365.1	0.0014	0.01			
2014/15-4	Lab	LCS	4/13/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0514	mg/L	EPA 365.1	0.0014	0.01			
2014/15-4	Lab	LCS, rec	4/13/2015	Nutrient	Phosphorus as P	Dissolved	=	103	%	EPA 365.1	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike	4/13/2015	Nutrient	Phosphorus as P	Total	=	0.14	mg/L	EPA 365.1	0.0014	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/13/2015	Nutrient	Phosphorus as P	Total	=	97	%	EPA 365.1	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike dup	4/13/2015	Nutrient	Phosphorus as P	Total	=	0.14	mg/L	EPA 365.1	0.0014	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/13/2015	Nutrient	Phosphorus as P	Total	=	97	%	EPA 365.1	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, RPD	4/13/2015	Nutrient	Phosphorus as P	Total	=	0	%	EPA 365.1	-88	-88	0	20	
2014/15-4	Lab	method blank	4/13/2015	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-4	Lab	LCS	4/13/2015	Nutrient	Phosphorus as P	Total	=	0.0509	mg/L	EPA 365.1	0.0014	0.01			
2014/15-4	Lab	LCS, rec	4/13/2015	Nutrient	Phosphorus as P	Total	=	102	%	EPA 365.1	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike	4/13/2015	Nutrient	TKN	n/a	=	1.13	mg/L	EPA 351.2	0.05	0.1			GB
2014/15-4	000NONPJ	matrix spike	4/13/2015	Nutrient	TKN	n/a	=	1.16	mg/L	EPA 351.2	0.05	0.1			
2014/15-4	000NONPJ	matrix spike dup	4/13/2015	Nutrient	TKN	n/a	=	1.01	mg/L	EPA 351.2	0.05	0.1			
2014/15-4	000NONPJ	matrix spike dup	4/13/2015	Nutrient	TKN	n/a	=	1.2	mg/L	EPA 351.2	0.05	0.1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/13/2015	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike dup, rec	4/13/2015	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, rec	4/13/2015	Nutrient	TKN	n/a	=	113	%	EPA 351.2	-88	-88	90	110	GB
2014/15-4	000NONPJ	matrix spike, rec	4/13/2015	Nutrient	TKN	n/a	=	99	%	EPA 351.2	-88	-88	90	110	
2014/15-4	000NONPJ	matrix spike, RPD	4/13/2015	Nutrient	TKN	n/a	=	3	%	EPA 351.2	-88	-88	0	10	
2014/15-4	000NONPJ	matrix spike, RPD	4/13/2015	Nutrient	TKN	n/a	=	11	%	EPA 351.2	-88	-88	0	10	IL
2014/15-4	Lab	LCS	4/13/2015	Nutrient	TKN	n/a	=	1.01	mg/L	EPA 351.2	0.05	0.1			
2014/15-4	Lab	LCS	4/13/2015	Nutrient	TKN	n/a	=	1.02	mg/L	EPA 351.2	0.05	0.1			
2014/15-4	Lab	LCS, rec	4/13/2015	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2014/15-4	Lab	LCS, rec	4/13/2015	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2014/15-4	Lab	method blank	4/13/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-4	Lab	method blank	4/13/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-4	Lab	method blank	4/17/2015	Organic	1,2,4-Trichlorobenzene	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	14.8	µg/L	EPA 625	0.52	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	59	%	EPA 625	-88	-88	44	142	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	14	µg/L	EPA 625	0.52	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	56	%	EPA 625	-88	-88	44	142	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	1,2-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	1,2-Dichlorobenzene	n/a	=	14	µg/L	EPA 625	0.53	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	1,2-Dichlorobenzene	n/a	=	56	%	EPA 625	-88	-88	32	129	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	1,2-Dichlorobenzene	n/a	=	13.4	µg/L	EPA 625	0.53	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	1,2-Dichlorobenzene	n/a	=	54	%	EPA 625	-88	-88	32	129	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	1,2-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	srgt LCS	4/13/2015	Organic	1,2-Dichloroethane-d4	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/13/2015	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2014/15-4	Lab	srgt LCS dup	4/13/2015	Organic	1,2-Dichloroethane-d4	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/13/2015	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2014/15-4	Lab	srgt method blank	4/13/2015	Organic	1,2-Dichloroethane-d4	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/13/2015	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2014/15-4	ME-VR2	srgt environ	4/13/2015	Organic	1,2-Dichloroethane-d4	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2014/15-4	ME-VR2	srgt environ, rec	4/13/2015	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2014/15-4	ME-VR2	srgt matrix spike	4/14/2015	Organic	1,2-Dichloroethane-d4	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2014/15-4	ME-VR2	srgt matrix spike, rec	4/14/2015	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2014/15-4	ME-VR2	srgt matrix spike dup	4/14/2015	Organic	1,2-Dichloroethane-d4	n/a	=	49.4	µg/L	EPA 624	-88	-88			
2014/15-4	ME-VR2	srgt matrix spike dup, rec	4/14/2015	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2014/15-4	MO-MEI	srgt environ	4/13/2015	Organic	1,2-Dichloroethane-d4	n/a	=	52	µg/L	EPA 624	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/13/2015	Organic	1,2-Dichloroethane-d4	n/a	=	104	%	EPA 624	-88	-88	82	125	
2014/15-4	MO-OJA	srgt environ	4/13/2015	Organic	1,2-Dichloroethane-d4	n/a	=	51	µg/L	EPA 624	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/13/2015	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2014/15-4	Lab	method blank	4/17/2015	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-4	Lab	method blank	4/17/2015	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	1,3-Dichlorobenzene	n/a	=	13.6	µg/L	EPA 625	0.53	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	1,3-Dichlorobenzene	n/a	=	54	%	EPA 625	-88	-88	0.1	172	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	1,3-Dichlorobenzene	n/a	=	13	µg/L	EPA 625	0.53	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	1,3-Dichlorobenzene	n/a	=	52	%	EPA 625	-88	-88	0.1	172	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	1,3-Dichlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-4	000NONPJ	srgt matrix spike	4/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.559	µg/L	EPA 525.2m	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike, rec	4/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	112	%	EPA 525.2m	-88	-88	76	128	
2014/15-4	000NONPJ	srgt matrix spike dup	4/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.584	µg/L	EPA 525.2m	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike dup, rec	4/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	117	%	EPA 525.2m	-88	-88	76	128	
2014/15-4	Lab	srgt method blank	4/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.478	µg/L	EPA 525.2m	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2014/15-4	Lab	srgt LCS	4/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.484	µg/L	EPA 525.2m	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2m	-88	-88	76	128	
2014/15-4	Lab	srgt method blank	4/16/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.86	µg/L	EPA 525.2	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/16/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	73	138	
2014/15-4	Lab	srgt LCS dup	4/16/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.03	µg/L	EPA 525.2	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/16/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	73	138	
2014/15-4	Lab	srgt LCS	4/16/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.04	µg/L	EPA 525.2	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/16/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	73	138	
2014/15-4	MO-MEI	srgt environ	4/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.499	µg/L	EPA 525.2m	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2m	-88	-88	76	128	
2014/15-4	MO-MEI	srgt environ	4/16/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.37	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	MO-MEI	srgt environ, rec	4/16/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2	-88	-88	73	138	
2014/15-4	MO-OJA	srgt environ	4/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.504	µg/L	EPA 525.2m	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2m	-88	-88	76	128	
2014/15-4	MO-OJA	srgt environ	4/16/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.21	µg/L	EPA 525.2	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/16/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	73	138	
2014/15-4	Lab	method blank	4/17/2015	Organic	1,4-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	1,4-Dichlorobenzene	n/a	=	14.4	µg/L	EPA 625	0.53	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	1,4-Dichlorobenzene	n/a	=	58	%	EPA 625	-88	-88	20	124	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	1,4-Dichlorobenzene	n/a	=	14	µg/L	EPA 625	0.53	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	1,4-Dichlorobenzene	n/a	=	56	%	EPA 625	-88	-88	20	124	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	1,4-Dichlorobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	method blank	4/28/2015	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1			
2014/15-4	Lab	srgt method blank	4/17/2015	Organic	2,4,6-Tribromophenol	n/a	=	26.6	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/17/2015	Organic	2,4,6-Tribromophenol	n/a	=	53	%	EPA 625	-88	-88	25	102	
2014/15-4	Lab	srgt LCS	4/17/2015	Organic	2,4,6-Tribromophenol	n/a	=	35.1	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/17/2015	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 625	-88	-88	25	102	
2014/15-4	Lab	srgt LCS dup	4/17/2015	Organic	2,4,6-Tribromophenol	n/a	=	35.1	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/17/2015	Organic	2,4,6-Tribromophenol	n/a	=	70	%	EPA 625	-88	-88	25	102	
2014/15-4	Lab	srgt method blank	4/28/2015	Organic	2,4,6-Tribromophenol	n/a	=	7.46	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/28/2015	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 8270Cm	-88	-88	26	117	
2014/15-4	Lab	srgt LCS	4/28/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.1	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/28/2015	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 8270Cm	-88	-88	26	117	
2014/15-4	Lab	srgt LCS dup	4/29/2015	Organic	2,4,6-Tribromophenol	n/a	=	7.5	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/29/2015	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 8270Cm	-88	-88	26	117	
2014/15-4	MO-MEI	srgt environ	4/17/2015	Organic	2,4,6-Tribromophenol	n/a	=	43.5	µg/L	EPA 625	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/17/2015	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 625	-88	-88	25	102	
2014/15-4	MO-MEI	srgt environ	4/29/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.46	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/29/2015	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 8270Cm	-88	-88	26	117	
2014/15-4	MO-OJA	srgt environ	4/17/2015	Organic	2,4,6-Tribromophenol	n/a	=	39.7	µg/L	EPA 625	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/17/2015	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625	-88	-88	25	102	
2014/15-4	MO-OJA	srgt environ	4/29/2015	Organic	2,4,6-Tribromophenol	n/a	=	7.55	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/29/2015	Organic	2,4,6-Tribromophenol	n/a	=	76	%	EPA 8270Cm	-88	-88	26	117	
2014/15-4	Lab	method blank	4/17/2015	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	2,4,6-Trichlorophenol	n/a	=	16.4	µg/L	EPA 625	0.22	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	2,4,6-Trichlorophenol	n/a	=	66	%	EPA 625	-88	-88	37	144	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	2,4,6-Trichlorophenol	n/a	=	16.5	µg/L	EPA 625	0.22	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	2,4,6-Trichlorophenol	n/a	=	66	%	EPA 625	-88	-88	37	144	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	2,4,6-Trichlorophenol	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/28/2015	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-4	Lab	LCS	4/28/2015	Organic	2,4,6-Trichlorophenol	n/a	=	7.39	µg/L	EPA 8270Cm	0.3	1			
2014/15-4	Lab	LCS, rec	4/28/2015	Organic	2,4,6-Trichlorophenol	n/a	=	74	%	EPA 8270Cm	-88	-88	30	115	
2014/15-4	Lab	LCS dup	4/29/2015	Organic	2,4,6-Trichlorophenol	n/a	=	6.76	µg/L	EPA 8270Cm	0.3	1			
2014/15-4	Lab	LCS dup, rec	4/29/2015	Organic	2,4,6-Trichlorophenol	n/a	=	68	%	EPA 8270Cm	-88	-88	30	115	
2014/15-4	Lab	LCS, RPD	4/29/2015	Organic	2,4,6-Trichlorophenol	n/a	=	9	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	2,4-Dichlorophenol	n/a	=	16.4	µg/L	EPA 625	0.26	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	2,4-Dichlorophenol	n/a	=	66	%	EPA 625	-88	-88	39	135	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	2,4-Dichlorophenol	n/a	=	15.2	µg/L	EPA 625	0.26	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	2,4-Dichlorophenol	n/a	=	61	%	EPA 625	-88	-88	39	135	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	2,4-Dichlorophenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/28/2015	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1			
2014/15-4	Lab	LCS	4/28/2015	Organic	2,4-Dichlorophenol	n/a	=	6.49	µg/L	EPA 8270Cm	0.51	1			
2014/15-4	Lab	LCS, rec	4/28/2015	Organic	2,4-Dichlorophenol	n/a	=	65	%	EPA 8270Cm	-88	-88	32	105	
2014/15-4	Lab	LCS dup	4/29/2015	Organic	2,4-Dichlorophenol	n/a	=	6	µg/L	EPA 8270Cm	0.51	1			
2014/15-4	Lab	LCS dup, rec	4/29/2015	Organic	2,4-Dichlorophenol	n/a	=	60	%	EPA 8270Cm	-88	-88	32	105	
2014/15-4	Lab	LCS, RPD	4/29/2015	Organic	2,4-Dichlorophenol	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	000NONPJ	srgt matrix spike	4/15/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.57	µg/L	EPA 515.3	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike, rec	4/15/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	srgt matrix spike dup	4/15/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.54	µg/L	EPA 515.3	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike dup, rec	4/15/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	srgt matrix spike	4/15/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.56	µg/L	EPA 515.3	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike, rec	4/15/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	srgt matrix spike dup	4/15/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.78	µg/L	EPA 515.3	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike dup, rec	4/15/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-4	Lab	srgt method blank	4/15/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.55	µg/L	EPA 515.3	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/15/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-4	Lab	srgt LCS	4/15/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.6	µg/L	EPA 515.3	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/15/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-4	MO-MEI	srgt environ	4/16/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.1	µg/L	EPA 515.3	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/16/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2014/15-4	MO-OJA	srgt environ	4/16/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.91	µg/L	EPA 515.3	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/16/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-4	Lab	method blank	4/17/2015	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	2,4-Dimethylphenol	n/a	=	15	µg/L	EPA 625	0.3	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	2,4-Dimethylphenol	n/a	=	60	%	EPA 625	-88	-88	32	119	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	2,4-Dimethylphenol	n/a	=	12.5	µg/L	EPA 625	0.3	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	2,4-Dimethylphenol	n/a	=	50	%	EPA 625	-88	-88	32	119	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	2,4-Dimethylphenol	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/28/2015	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-4	Lab	LCS	4/28/2015	Organic	2,4-Dimethylphenol	n/a	=	2.92	µg/L	EPA 8270Cm	1	2			EUM
2014/15-4	Lab	LCS, rec	4/28/2015	Organic	2,4-Dimethylphenol	n/a	=	29	%	EPA 8270Cm	-88	-88	31	97	EUM
2014/15-4	Lab	LCS dup	4/29/2015	Organic	2,4-Dimethylphenol	n/a	=	2.65	µg/L	EPA 8270Cm	1	2			EUM
2014/15-4	Lab	LCS dup, rec	4/29/2015	Organic	2,4-Dimethylphenol	n/a	=	26	%	EPA 8270Cm	-88	-88	31	97	EUM
2014/15-4	Lab	LCS, RPD	4/29/2015	Organic	2,4-Dimethylphenol	n/a	=	10	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-4	Lab	LCS	4/17/2015	Organic	2,4-Dinitrophenol	n/a	=	18.2	µg/L	EPA 625	1.6	10			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	2,4-Dinitrophenol	n/a	=	73	%	EPA 625	-88	-88	0.1	191	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	2,4-Dinitrophenol	n/a	=	19.9	µg/L	EPA 625	1.6	10			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	2,4-Dinitrophenol	n/a	=	80	%	EPA 625	-88	-88	0.1	191	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	2,4-Dinitrophenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/28/2015	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-4	Lab	LCS	4/28/2015	Organic	2,4-Dinitrophenol	n/a	=	7.76	µg/L	EPA 8270Cm	1	2			
2014/15-4	Lab	LCS, rec	4/28/2015	Organic	2,4-Dinitrophenol	n/a	=	78	%	EPA 8270Cm	-88	-88	7	155	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS dup	4/29/2015	Organic	2,4-Dinitrophenol	n/a	=	7.37	µg/L	EPA 8270Cm	1	2			
2014/15-4	Lab	LCS dup, rec	4/29/2015	Organic	2,4-Dinitrophenol	n/a	=	74	%	EPA 8270Cm	-88	-88	7	155	
2014/15-4	Lab	LCS, RPD	4/29/2015	Organic	2,4-Dinitrophenol	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	2,4-Dinitrotoluene	n/a	=	19.3	µg/L	EPA 625	0.18	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	2,4-Dinitrotoluene	n/a	=	77	%	EPA 625	-88	-88	39	139	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	2,4-Dinitrotoluene	n/a	=	20	µg/L	EPA 625	0.18	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	2,4-Dinitrotoluene	n/a	=	80	%	EPA 625	-88	-88	39	139	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	2,4-Dinitrotoluene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	2,6-Dinitrotoluene	n/a	=	17.4	µg/L	EPA 625	0.27	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	2,6-Dinitrotoluene	n/a	=	70	%	EPA 625	-88	-88	50	158	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	2,6-Dinitrotoluene	n/a	=	17.7	µg/L	EPA 625	0.27	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	2,6-Dinitrotoluene	n/a	=	71	%	EPA 625	-88	-88	50	158	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	2,6-Dinitrotoluene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	LCS	4/13/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	43.9	µg/L	EPA 624	0.28	1			
2014/15-4	Lab	LCS, rec	4/13/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	88	%	EPA 624	-88	-88	0.1	305	
2014/15-4	Lab	LCS dup	4/13/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	44.7	µg/L	EPA 624	0.28	1			
2014/15-4	Lab	LCS dup, rec	4/13/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	89	%	EPA 624	-88	-88	0.1	305	
2014/15-4	Lab	LCS, RPD	4/13/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	2	%	EPA 624	-88	-88	0	25	
2014/15-4	Lab	method blank	4/13/2015	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2014/15-4	ME-VR2	matrix spike	4/14/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	48	µg/L	EPA 624	0.28	1			
2014/15-4	ME-VR2	matrix spike, rec	4/14/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	96	%	EPA 624	-88	-88	0.1	305	
2014/15-4	ME-VR2	matrix spike dup	4/14/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	42.2	µg/L	EPA 624	0.28	1			
2014/15-4	ME-VR2	matrix spike dup, rec	4/14/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	84	%	EPA 624	-88	-88	0.1	305	
2014/15-4	ME-VR2	matrix spike, RPD	4/14/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	13	%	EPA 624	-88	-88	0	25	
2014/15-4	Lab	method blank	4/17/2015	Organic	2-Chloronaphthalene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	2-Chloronaphthalene	n/a	=	16.8	µg/L	EPA 625	0.38	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	2-Chloronaphthalene	n/a	=	67	%	EPA 625	-88	-88	60	118	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	2-Chloronaphthalene	n/a	=	16.4	µg/L	EPA 625	0.38	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	2-Chloronaphthalene	n/a	=	65	%	EPA 625	-88	-88	60	118	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	2-Chloronaphthalene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	2-Chlorophenol	n/a	=	16.6	µg/L	EPA 625	0.28	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	2-Chlorophenol	n/a	=	67	%	EPA 625	-88	-88	23	134	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	2-Chlorophenol	n/a	=	15.9	µg/L	EPA 625	0.28	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	2-Chlorophenol	n/a	=	64	%	EPA 625	-88	-88	23	134	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	2-Chlorophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/28/2015	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1			
2014/15-4	Lab	LCS	4/28/2015	Organic	2-Chlorophenol	n/a	=	6.42	µg/L	EPA 8270Cm	0.65	1			
2014/15-4	Lab	LCS, rec	4/28/2015	Organic	2-Chlorophenol	n/a	=	64	%	EPA 8270Cm	-88	-88	27	90	
2014/15-4	Lab	LCS dup	4/29/2015	Organic	2-Chlorophenol	n/a	=	5.78	µg/L	EPA 8270Cm	0.65	1			
2014/15-4	Lab	LCS dup, rec	4/29/2015	Organic	2-Chlorophenol	n/a	=	58	%	EPA 8270Cm	-88	-88	27	90	
2014/15-4	Lab	LCS, RPD	4/29/2015	Organic	2-Chlorophenol	n/a	=	10	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	srgt method blank	4/17/2015	Organic	2-Fluorobiphenyl	n/a	=	15.2	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/17/2015	Organic	2-Fluorobiphenyl	n/a	=	61	%	EPA 625	-88	-88	22	107	
2014/15-4	Lab	srgt LCS	4/17/2015	Organic	2-Fluorobiphenyl	n/a	=	15.4	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	srgt LCS, rec	4/17/2015	Organic	2-Fluorobiphenyl	n/a	=	61	%	EPA 625	-88	-88	22	107	
2014/15-4	Lab	srgt LCS dup	4/17/2015	Organic	2-Fluorobiphenyl	n/a	=	15.1	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/17/2015	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 625	-88	-88	22	107	
2014/15-4	Lab	srgt method blank	4/23/2015	Organic	2-Fluorobiphenyl	n/a	=	3.49	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/23/2015	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 8270Cm	-88	-88	51	139	
2014/15-4	Lab	srgt LCS	4/23/2015	Organic	2-Fluorobiphenyl	n/a	=	3.52	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/23/2015	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 8270Cm	-88	-88	51	139	
2014/15-4	Lab	srgt LCS dup	4/24/2015	Organic	2-Fluorobiphenyl	n/a	=	3.36	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/24/2015	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 8270Cm	-88	-88	51	139	
2014/15-4	MO-MEI	srgt environ	4/17/2015	Organic	2-Fluorobiphenyl	n/a	=	19.1	µg/L	EPA 625	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/17/2015	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625	-88	-88	22	107	
2014/15-4	MO-MEI	srgt environ	4/24/2015	Organic	2-Fluorobiphenyl	n/a	=	4.19	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/24/2015	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 8270Cm	-88	-88	51	139	
2014/15-4	MO-OJA	srgt environ	4/17/2015	Organic	2-Fluorobiphenyl	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/17/2015	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 625	-88	-88	22	107	
2014/15-4	MO-OJA	srgt environ	4/24/2015	Organic	2-Fluorobiphenyl	n/a	=	4.04	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/24/2015	Organic	2-Fluorobiphenyl	n/a	=	81	%	EPA 8270Cm	-88	-88	51	139	
2014/15-4	Lab	srgt method blank	4/17/2015	Organic	2-Fluorophenol	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/17/2015	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2014/15-4	Lab	srgt LCS	4/17/2015	Organic	2-Fluorophenol	n/a	=	22.2	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/17/2015	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2014/15-4	Lab	srgt LCS dup	4/17/2015	Organic	2-Fluorophenol	n/a	=	20.3	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/17/2015	Organic	2-Fluorophenol	n/a	=	41	%	EPA 625	-88	-88	3	74	
2014/15-4	Lab	srgt method blank	4/28/2015	Organic	2-Fluorophenol	n/a	=	5.28	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/28/2015	Organic	2-Fluorophenol	n/a	=	53	%	EPA 8270Cm	-88	-88	11	62	
2014/15-4	Lab	srgt LCS	4/28/2015	Organic	2-Fluorophenol	n/a	=	4.45	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/28/2015	Organic	2-Fluorophenol	n/a	=	44	%	EPA 8270Cm	-88	-88	11	62	
2014/15-4	Lab	srgt LCS dup	4/29/2015	Organic	2-Fluorophenol	n/a	=	4.02	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/29/2015	Organic	2-Fluorophenol	n/a	=	40	%	EPA 8270Cm	-88	-88	11	62	
2014/15-4	MO-MEI	srgt environ	4/17/2015	Organic	2-Fluorophenol	n/a	=	25.9	µg/L	EPA 625	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/17/2015	Organic	2-Fluorophenol	n/a	=	52	%	EPA 625	-88	-88	3	74	
2014/15-4	MO-MEI	srgt environ	4/29/2015	Organic	2-Fluorophenol	n/a	=	4.98	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/29/2015	Organic	2-Fluorophenol	n/a	=	50	%	EPA 8270Cm	-88	-88	11	62	
2014/15-4	MO-OJA	srgt environ	4/17/2015	Organic	2-Fluorophenol	n/a	=	24.9	µg/L	EPA 625	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/17/2015	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625	-88	-88	3	74	
2014/15-4	MO-OJA	srgt environ	4/29/2015	Organic	2-Fluorophenol	n/a	=	4.94	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/29/2015	Organic	2-Fluorophenol	n/a	=	49	%	EPA 8270Cm	-88	-88	11	62	
2014/15-4	Lab	method blank	4/23/2015	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	method blank	4/28/2015	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1			
2014/15-4	Lab	method blank	4/17/2015	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	2-Nitrophenol	n/a	=	16.4	µg/L	EPA 625	0.26	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	2-Nitrophenol	n/a	=	65	%	EPA 625	-88	-88	29	182	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	2-Nitrophenol	n/a	=	15.8	µg/L	EPA 625	0.26	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	2-Nitrophenol	n/a	=	63	%	EPA 625	-88	-88	29	182	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	2-Nitrophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/28/2015	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1			
2014/15-4	Lab	LCS	4/28/2015	Organic	2-Nitrophenol	n/a	=	6.65	µg/L	EPA 8270Cm	0.71	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS, rec	4/28/2015	Organic	2-Nitrophenol	n/a	=	66	%	EPA 8270Cm	-88	-88	33	103	
2014/15-4	Lab	LCS dup	4/29/2015	Organic	2-Nitrophenol	n/a	=	6.14	µg/L	EPA 8270Cm	0.71	1			
2014/15-4	Lab	LCS dup, rec	4/29/2015	Organic	2-Nitrophenol	n/a	=	61	%	EPA 8270Cm	-88	-88	33	103	
2014/15-4	Lab	LCS, RPD	4/29/2015	Organic	2-Nitrophenol	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	3,3'-Dichlorobenzidine	n/a	<	0.67	µg/L	EPA 625	0.67	5			
2014/15-4	Lab	LCS	4/17/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	15.2	µg/L	EPA 625	0.67	5			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	61	%	EPA 625	-88	-88	0.1	262	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	15.7	µg/L	EPA 625	0.67	5			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	63	%	EPA 625	-88	-88	0.1	262	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/28/2015	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-4	Lab	method blank	4/17/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.77	µg/L	EPA 625	0.77	5			
2014/15-4	Lab	LCS	4/17/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	20	µg/L	EPA 625	0.77	5			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	80	%	EPA 625	-88	-88	0.1	181	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	21.2	µg/L	EPA 625	0.77	5			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	85	%	EPA 625	-88	-88	0.1	181	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/28/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1			
2014/15-4	Lab	LCS	4/28/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8.39	µg/L	EPA 8270Cm	0.14	1			
2014/15-4	Lab	LCS, rec	4/28/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	84	%	EPA 8270Cm	-88	-88	33	118	
2014/15-4	Lab	LCS dup	4/29/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	7.85	µg/L	EPA 8270Cm	0.14	1			
2014/15-4	Lab	LCS dup, rec	4/29/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	78	%	EPA 8270Cm	-88	-88	33	118	
2014/15-4	Lab	LCS, RPD	4/29/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	000NONPJ	srgt matrix spike	4/15/2015	Organic	4-Bromofluorobenzene	n/a	=	40	µg/L	EPA 8015B	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike, rec	4/15/2015	Organic	4-Bromofluorobenzene	n/a	=	80	%	EPA 8015B	-88	-88	72	124	
2014/15-4	000NONPJ	srgt matrix spike dup	4/15/2015	Organic	4-Bromofluorobenzene	n/a	=	37	µg/L	EPA 8015B	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike dup, rec	4/15/2015	Organic	4-Bromofluorobenzene	n/a	=	74	%	EPA 8015B	-88	-88	72	124	
2014/15-4	Lab	srgt LCS	4/13/2015	Organic	4-Bromofluorobenzene	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/13/2015	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2014/15-4	Lab	srgt LCS dup	4/13/2015	Organic	4-Bromofluorobenzene	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/13/2015	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2014/15-4	Lab	srgt method blank	4/13/2015	Organic	4-Bromofluorobenzene	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/13/2015	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2014/15-4	Lab	srgt method blank	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 8015B	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015B	-88	-88	72	124	
2014/15-4	Lab	srgt LCS	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015B	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015B	-88	-88	72	124	
2014/15-4	Lab	srgt LCS dup	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015B	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015B	-88	-88	72	124	
2014/15-4	Lab	srgt method blank	4/15/2015	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015B	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/15/2015	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015B	-88	-88	72	124	
2014/15-4	Lab	srgt LCS	4/15/2015	Organic	4-Bromofluorobenzene	n/a	=	45	µg/L	EPA 8015B	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/15/2015	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 8015B	-88	-88	72	124	
2014/15-4	Lab	srgt LCS dup	4/15/2015	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 8015B	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/15/2015	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 8015B	-88	-88	72	124	
2014/15-4	ME-VR2	srgt environ	4/13/2015	Organic	4-Bromofluorobenzene	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2014/15-4	ME-VR2	srgt environ, rec	4/13/2015	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	ME-VR2	srgt matrix spike	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2014/15-4	ME-VR2	srgt matrix spike, rec	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2014/15-4	ME-VR2	srgt matrix spike dup	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2014/15-4	ME-VR2	srgt matrix spike dup, rec	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2014/15-4	ME-VR2	srgt environ	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015B	-88	-88			
2014/15-4	ME-VR2	srgt environ, rec	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015B	-88	-88	72	124	
2014/15-4	MO-MEI	srgt environ	4/13/2015	Organic	4-Bromofluorobenzene	n/a	=	49.6	µg/L	EPA 624	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/13/2015	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2014/15-4	MO-MEI	srgt environ	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015B	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/14/2015	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015B	-88	-88	72	124	
2014/15-4	MO-OJA	srgt environ	4/13/2015	Organic	4-Bromofluorobenzene	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/13/2015	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2014/15-4	MO-OJA	srgt environ	4/15/2015	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015B	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/15/2015	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015B	-88	-88	72	124	
2014/15-4	Lab	method blank	4/17/2015	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	15.9	µg/L	EPA 625	0.36	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	64	%	EPA 625	-88	-88	53	127	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	16.2	µg/L	EPA 625	0.36	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	65	%	EPA 625	-88	-88	53	127	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	4-Chloro-3-methylphenol	n/a	=	16.7	µg/L	EPA 625	0.23	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	4-Chloro-3-methylphenol	n/a	=	67	%	EPA 625	-88	-88	22	147	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	4-Chloro-3-methylphenol	n/a	=	16.1	µg/L	EPA 625	0.23	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	4-Chloro-3-methylphenol	n/a	=	64	%	EPA 625	-88	-88	22	147	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	4-Chloro-3-methylphenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/28/2015	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1			
2014/15-4	Lab	LCS	4/28/2015	Organic	4-Chloro-3-methylphenol	n/a	=	7.26	µg/L	EPA 8270Cm	0.37	1			
2014/15-4	Lab	LCS, rec	4/28/2015	Organic	4-Chloro-3-methylphenol	n/a	=	73	%	EPA 8270Cm	-88	-88	29	108	
2014/15-4	Lab	LCS dup	4/29/2015	Organic	4-Chloro-3-methylphenol	n/a	=	6.68	µg/L	EPA 8270Cm	0.37	1			
2014/15-4	Lab	LCS dup, rec	4/29/2015	Organic	4-Chloro-3-methylphenol	n/a	=	67	%	EPA 8270Cm	-88	-88	29	108	
2014/15-4	Lab	LCS, RPD	4/29/2015	Organic	4-Chloro-3-methylphenol	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.39	µg/L	EPA 625	0.39	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	16.6	µg/L	EPA 625	0.39	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	66	%	EPA 625	-88	-88	25	158	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	16.7	µg/L	EPA 625	0.39	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	67	%	EPA 625	-88	-88	25	158	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-4	Lab	LCS	4/17/2015	Organic	4-Nitrophenol	n/a	=	9.55	µg/L	EPA 625	0.45	5			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	4-Nitrophenol	n/a	=	38	%	EPA 625	-88	-88	0.1	132	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	4-Nitrophenol	n/a	=	9.88	µg/L	EPA 625	0.45	5			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	4-Nitrophenol	n/a	=	40	%	EPA 625	-88	-88	0.1	132	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	4-Nitrophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/28/2015	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-4	Lab	LCS	4/28/2015	Organic	4-Nitrophenol	n/a	=	3.97	µg/L	EPA 8270Cm	1	2			
2014/15-4	Lab	LCS, rec	4/28/2015	Organic	4-Nitrophenol	n/a	=	40	%	EPA 8270Cm	-88	-88	6	46	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS dup	4/29/2015	Organic	4-Nitrophenol	n/a	=	3.81	µg/L	EPA 8270Cm	1	2			
2014/15-4	Lab	LCS dup, rec	4/29/2015	Organic	4-Nitrophenol	n/a	=	38	%	EPA 8270Cm	-88	-88	6	46	
2014/15-4	Lab	LCS, RPD	4/29/2015	Organic	4-Nitrophenol	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Acenaphthene	n/a	=	17.4	µg/L	EPA 625	0.38	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Acenaphthene	n/a	=	70	%	EPA 625	-88	-88	47	145	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Acenaphthene	n/a	=	16.7	µg/L	EPA 625	0.38	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Acenaphthene	n/a	=	67	%	EPA 625	-88	-88	47	145	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Acenaphthene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Acenaphthene	n/a	=	7.31	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Acenaphthene	n/a	=	73	%	EPA 8270Cm	-88	-88	11	122	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Acenaphthene	n/a	=	6.65	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Acenaphthene	n/a	=	67	%	EPA 8270Cm	-88	-88	11	122	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Acenaphthene	n/a	=	9	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Acenaphthylene	n/a	=	16.6	µg/L	EPA 625	0.4	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Acenaphthylene	n/a	=	66	%	EPA 625	-88	-88	33	145	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Acenaphthylene	n/a	=	16.5	µg/L	EPA 625	0.4	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Acenaphthylene	n/a	=	66	%	EPA 625	-88	-88	33	145	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Acenaphthylene	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Acenaphthylene	n/a	=	8.26	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Acenaphthylene	n/a	=	83	%	EPA 8270Cm	-88	-88	4	135	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Acenaphthylene	n/a	=	7.5	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Acenaphthylene	n/a	=	75	%	EPA 8270Cm	-88	-88	4	135	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Acenaphthylene	n/a	=	10	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Anthracene	n/a	=	21.3	µg/L	EPA 625	0.34	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Anthracene	n/a	=	85	%	EPA 625	-88	-88	27	133	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Anthracene	n/a	=	21	µg/L	EPA 625	0.34	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Anthracene	n/a	=	84	%	EPA 625	-88	-88	27	133	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Anthracene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Anthracene	n/a	=	8.59	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Anthracene	n/a	=	86	%	EPA 8270Cm	-88	-88	22	127	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Anthracene	n/a	=	8.28	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Anthracene	n/a	=	83	%	EPA 8270Cm	-88	-88	22	127	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Anthracene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Benz(a)anthracene	n/a	=	22.6	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Benz(a)anthracene	n/a	=	90	%	EPA 625	-88	-88	33	143	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Benz(a)anthracene	n/a	=	22.3	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Benz(a)anthracene	n/a	=	89	%	EPA 625	-88	-88	33	143	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Benz(a)anthracene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Benz(a)anthracene	n/a	=	8.82	µg/L	EPA 8270Cm	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Benz(a)anthracene	n/a	=	88	%	EPA 8270Cm	-88	-88	17	131	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Benz(a)anthracene	n/a	=	8.53	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Benz(a)anthracene	n/a	=	85	%	EPA 8270Cm	-88	-88	17	131	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Benz(a)anthracene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Benzo(a)pyrene	n/a	<	0.7	µg/L	EPA 625	0.7	5			
2014/15-4	Lab	method blank	4/16/2015	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Organic	Benzo(a)pyrene	n/a	=	4.84	µg/L	EPA 525.2	0.07	0.1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Organic	Benzo(a)pyrene	n/a	=	97	%	EPA 525.2	-88	-88	40	147	
2014/15-4	Lab	LCS, RPD	4/16/2015	Organic	Benzo(a)pyrene	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Organic	Benzo(a)pyrene	n/a	=	5.11	µg/L	EPA 525.2	0.07	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Organic	Benzo(a)pyrene	n/a	=	102	%	EPA 525.2	-88	-88	40	147	
2014/15-4	Lab	method blank	4/17/2015	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Benzo(a)pyrene	n/a	=	19.7	µg/L	EPA 625	0.13	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Benzo(a)pyrene	n/a	=	79	%	EPA 625	-88	-88	17	163	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Benzo(a)pyrene	n/a	=	20.4	µg/L	EPA 625	0.13	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Benzo(a)pyrene	n/a	=	82	%	EPA 625	-88	-88	17	163	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Benzo(a)pyrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Benzo(a)pyrene	n/a	=	7.59	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Benzo(a)pyrene	n/a	=	76	%	EPA 8270Cm	-88	-88	12	131	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Benzo(a)pyrene	n/a	=	8.03	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Benzo(a)pyrene	n/a	=	80	%	EPA 8270Cm	-88	-88	12	131	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Benzo(b)fluoranthene	n/a	=	21.8	µg/L	EPA 625	0.14	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Benzo(b)fluoranthene	n/a	=	87	%	EPA 625	-88	-88	24	159	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Benzo(b)fluoranthene	n/a	=	21.5	µg/L	EPA 625	0.14	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Benzo(b)fluoranthene	n/a	=	86	%	EPA 625	-88	-88	24	159	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Benzo(b)fluoranthene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Benzo(b)fluoranthene	n/a	=	8.16	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Benzo(b)fluoranthene	n/a	=	82	%	EPA 8270Cm	-88	-88	19	129	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Benzo(b)fluoranthene	n/a	=	8.72	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Benzo(b)fluoranthene	n/a	=	87	%	EPA 8270Cm	-88	-88	19	129	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Benzo(b)fluoranthene	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-4	Lab	LCS	4/17/2015	Organic	Benzo(g,h,i)perylene	n/a	=	18.3	µg/L	EPA 625	0.1	2			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Benzo(g,h,i)perylene	n/a	=	73	%	EPA 625	-88	-88	0.1	219	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Benzo(g,h,i)perylene	n/a	=	22.1	µg/L	EPA 625	0.1	2			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Benzo(g,h,i)perylene	n/a	=	89	%	EPA 625	-88	-88	0.1	219	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Benzo(g,h,i)perylene	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Benzo(g,h,i)perylene	n/a	=	8.56	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Benzo(g,h,i)perylene	n/a	=	86	%	EPA 8270Cm	-88	-88	14	139	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Benzo(g,h,i)perylene	n/a	=	8.93	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Benzo(g,h,i)perylene	n/a	=	89	%	EPA 8270Cm	-88	-88	14	139	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Benzo(g,h,i)perylene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	method blank	4/17/2015	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Benzo(k)fluoranthene	n/a	=	19.7	µg/L	EPA 625	0.22	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Benzo(k)fluoranthene	n/a	=	79	%	EPA 625	-88	-88	11	162	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Benzo(k)fluoranthene	n/a	=	20.3	µg/L	EPA 625	0.22	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Benzo(k)fluoranthene	n/a	=	81	%	EPA 625	-88	-88	11	162	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Benzo(k)fluoranthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Benzo(k)fluoranthene	n/a	=	8.42	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Benzo(k)fluoranthene	n/a	=	84	%	EPA 8270Cm	-88	-88	22	127	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Benzo(k)fluoranthene	n/a	=	8.46	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Benzo(k)fluoranthene	n/a	=	85	%	EPA 8270Cm	-88	-88	22	127	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Benzo(k)fluoranthene	n/a	=	0.5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	16	µg/L	EPA 625	0.25	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	64	%	EPA 625	-88	-88	33	184	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	15.3	µg/L	EPA 625	0.25	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	61	%	EPA 625	-88	-88	33	184	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	15.4	µg/L	EPA 625	0.27	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	62	%	EPA 625	-88	-88	12	158	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	14.5	µg/L	EPA 625	0.27	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	58	%	EPA 625	-88	-88	12	158	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	17.2	µg/L	EPA 625	0.38	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	69	%	EPA 625	-88	-88	36	166	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	16.4	µg/L	EPA 625	0.38	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	66	%	EPA 625	-88	-88	36	166	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/16/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-4	Lab	LCS dup	4/16/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.74	µg/L	EPA 525.2	0.1	5			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	95	%	EPA 525.2	-88	-88	71	158	
2014/15-4	Lab	LCS, RPD	4/16/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.86	µg/L	EPA 525.2	0.1	5			
2014/15-4	Lab	LCS, rec	4/16/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	97	%	EPA 525.2	-88	-88	71	158	
2014/15-4	Lab	method blank	4/16/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-4	Lab	LCS dup	4/16/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.86	µg/L	EPA 525.2	1.1	3			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	97	%	EPA 525.2	-88	-88	68	154	
2014/15-4	Lab	LCS, RPD	4/16/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.12	µg/L	EPA 525.2	1.1	3			
2014/15-4	Lab	LCS, rec	4/16/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	102	%	EPA 525.2	-88	-88	68	154	
2014/15-4	Lab	method blank	4/17/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	0.96	µg/L	EPA 625	0.96	4			
2014/15-4	Lab	LCS	4/17/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	23	µg/L	EPA 625	0.96	4			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	92	%	EPA 625	-88	-88	8	158	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	22.5	µg/L	EPA 625	0.96	4			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	90	%	EPA 625	-88	-88	8	158	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Butyl benzyl phthalate	n/a	=	22.8	µg/L	EPA 625	0.18	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Butyl benzyl phthalate	n/a	=	91	%	EPA 625	-88	-88	0.1	152	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Butyl benzyl phthalate	n/a	=	22.8	µg/L	EPA 625	0.18	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Butyl benzyl phthalate	n/a	=	91	%	EPA 625	-88	-88	0.1	152	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Butyl benzyl phthalate	n/a	=	0.04	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Chrysene	n/a	=	22.5	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Chrysene	n/a	=	90	%	EPA 625	-88	-88	17	168	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Chrysene	n/a	=	21.8	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Chrysene	n/a	=	87	%	EPA 625	-88	-88	17	168	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Chrysene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Chrysene	n/a	=	8.46	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Chrysene	n/a	=	85	%	EPA 8270Cm	-88	-88	32	126	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Chrysene	n/a	=	7.89	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Chrysene	n/a	=	79	%	EPA 8270Cm	-88	-88	32	126	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Chrysene	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-4	Lab	LCS	4/17/2015	Organic	Dibenz(a,h)anthracene	n/a	=	19	µg/L	EPA 625	0.08	2			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Dibenz(a,h)anthracene	n/a	=	76	%	EPA 625	-88	-88	0.1	227	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Dibenz(a,h)anthracene	n/a	=	23.2	µg/L	EPA 625	0.08	2			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Dibenz(a,h)anthracene	n/a	=	93	%	EPA 625	-88	-88	0.1	227	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Dibenz(a,h)anthracene	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Dibenz(a,h)anthracene	n/a	=	8.63	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Dibenz(a,h)anthracene	n/a	=	86	%	EPA 8270Cm	-88	-88	9	147	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Dibenz(a,h)anthracene	n/a	=	8.94	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Dibenz(a,h)anthracene	n/a	=	89	%	EPA 8270Cm	-88	-88	9	147	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Dibenz(a,h)anthracene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Diethyl phthalate	n/a	=	18.8	µg/L	EPA 625	0.15	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Diethyl phthalate	n/a	=	75	%	EPA 625	-88	-88	0.1	114	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Diethyl phthalate	n/a	=	19.1	µg/L	EPA 625	0.15	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Diethyl phthalate	n/a	=	76	%	EPA 625	-88	-88	0.1	114	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Diethyl phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Dimethyl phthalate	n/a	=	18.3	µg/L	EPA 625	0.18	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Dimethyl phthalate	n/a	=	73	%	EPA 625	-88	-88	0.1	112	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Dimethyl phthalate	n/a	=	18.7	µg/L	EPA 625	0.18	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Dimethyl phthalate	n/a	=	75	%	EPA 625	-88	-88	0.1	112	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Dimethyl phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Di-n-butylphthalate	n/a	=	21.9	µg/L	EPA 625	0.24	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Di-n-butylphthalate	n/a	=	88	%	EPA 625	-88	-88	1	118	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Di-n-butylphthalate	n/a	=	21.7	µg/L	EPA 625	0.24	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Di-n-butylphthalate	n/a	=	87	%	EPA 625	-88	-88	1	118	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Di-n-butylphthalate	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Di-n-octylphthalate	n/a	=	21.9	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Di-n-octylphthalate	n/a	=	88	%	EPA 625	-88	-88	4	146	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Di-n-octylphthalate	n/a	=	22	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Di-n-octylphthalate	n/a	=	88	%	EPA 625	-88	-88	4	146	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Di-n-octylphthalate	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Fluoranthene	n/a	=	23.1	µg/L	EPA 625	0.22	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Fluoranthene	n/a	=	92	%	EPA 625	-88	-88	26	137	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Fluoranthene	n/a	=	22.7	µg/L	EPA 625	0.22	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Fluoranthene	n/a	=	91	%	EPA 625	-88	-88	26	137	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Fluoranthene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Fluoranthene	n/a	=	8.92	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Fluoranthene	n/a	=	89	%	EPA 8270Cm	-88	-88	22	131	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Fluoranthene	n/a	=	8.26	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Fluoranthene	n/a	=	83	%	EPA 8270Cm	-88	-88	22	131	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Fluoranthene	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Fluorene	n/a	=	17.6	µg/L	EPA 625	0.35	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Fluorene	n/a	=	70	%	EPA 625	-88	-88	59	121	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Fluorene	n/a	=	17.7	µg/L	EPA 625	0.35	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Fluorene	n/a	=	71	%	EPA 625	-88	-88	59	121	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Fluorene	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Fluorene	n/a	=	8.15	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Fluorene	n/a	=	82	%	EPA 8270Cm	-88	-88	19	122	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Fluorene	n/a	=	7.51	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Fluorene	n/a	=	75	%	EPA 8270Cm	-88	-88	19	122	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Fluorene	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Hexachlorobenzene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Hexachlorobenzene	n/a	=	15.8	µg/L	EPA 625	0.35	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Hexachlorobenzene	n/a	=	63	%	EPA 625	-88	-88	0.1	152	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Hexachlorobenzene	n/a	=	16.2	µg/L	EPA 625	0.35	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Hexachlorobenzene	n/a	=	65	%	EPA 625	-88	-88	0.1	152	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Hexachlorobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Hexachlorobutadiene	n/a	=	14.6	µg/L	EPA 625	0.47	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Hexachlorobutadiene	n/a	=	58	%	EPA 625	-88	-88	24	116	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Hexachlorobutadiene	n/a	=	14.2	µg/L	EPA 625	0.47	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Hexachlorobutadiene	n/a	=	57	%	EPA 625	-88	-88	24	116	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Hexachlorobutadiene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-4	Lab	LCS	4/17/2015	Organic	Hexachlorocyclopentadiene	n/a	=	8.8	µg/L	EPA 625	1.5	5			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Hexachlorocyclopentadiene	n/a	=	35	%	EPA 625	-88	-88	0.1	81	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Hexachlorocyclopentadiene	n/a	=	8.27	µg/L	EPA 625	1.5	5			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Hexachlorocyclopentadiene	n/a	=	33	%	EPA 625	-88	-88	0.1	81	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Hexachlorocyclopentadiene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Hexachloroethane	n/a	<	0.51	µg/L	EPA 625	0.51	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Hexachloroethane	n/a	=	14.6	µg/L	EPA 625	0.51	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Hexachloroethane	n/a	=	58	%	EPA 625	-88	-88	40	113	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Hexachloroethane	n/a	=	14.1	µg/L	EPA 625	0.51	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Hexachloroethane	n/a	=	56	%	EPA 625	-88	-88	40	113	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Hexachloroethane	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-4	Lab	LCS	4/17/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	16.4	µg/L	EPA 625	0.12	2			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	66	%	EPA 625	-88	-88	0.1	171	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	19.3	µg/L	EPA 625	0.12	2			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	77	%	EPA 625	-88	-88	0.1	171	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.42	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	84	%	EPA 8270Cm	-88	-88	12	136	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.67	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	87	%	EPA 8270Cm	-88	-88	12	136	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Isophorone	n/a	=	16.6	µg/L	EPA 625	0.21	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Isophorone	n/a	=	66	%	EPA 625	-88	-88	21	196	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Isophorone	n/a	=	16	µg/L	EPA 625	0.21	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Isophorone	n/a	=	64	%	EPA 625	-88	-88	21	196	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Isophorone	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	LCS	4/13/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	45.2	µg/L	EPA 624	0.25	1			
2014/15-4	Lab	LCS, rec	4/13/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	90	%	EPA 624	-88	-88	80	128	
2014/15-4	Lab	LCS dup	4/13/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	46	µg/L	EPA 624	0.25	1			
2014/15-4	Lab	LCS dup, rec	4/13/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	92	%	EPA 624	-88	-88	80	128	
2014/15-4	Lab	LCS, RPD	4/13/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	2	%	EPA 624	-88	-88	0	25	
2014/15-4	Lab	method blank	4/13/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2014/15-4	ME-VR2	matrix spike	4/14/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	47.5	µg/L	EPA 624	0.25	1			
2014/15-4	ME-VR2	matrix spike, rec	4/14/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	95	%	EPA 624	-88	-88	80	128	
2014/15-4	ME-VR2	matrix spike dup	4/14/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	41.5	µg/L	EPA 624	0.25	1			
2014/15-4	ME-VR2	matrix spike dup, rec	4/14/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	83	%	EPA 624	-88	-88	80	128	
2014/15-4	ME-VR2	matrix spike, RPD	4/14/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	14	%	EPA 624	-88	-88	0	25	
2014/15-4	Lab	method blank	4/17/2015	Organic	Naphthalene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Naphthalene	n/a	=	16.4	µg/L	EPA 625	0.47	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Naphthalene	n/a	=	66	%	EPA 625	-88	-88	21	133	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Naphthalene	n/a	=	15.9	µg/L	EPA 625	0.47	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Naphthalene	n/a	=	64	%	EPA 625	-88	-88	21	133	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Naphthalene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Naphthalene	n/a	=	6.86	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Naphthalene	n/a	=	69	%	EPA 8270Cm	-88	-88	12	136	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Naphthalene	n/a	=	5.8	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Naphthalene	n/a	=	58	%	EPA 8270Cm	-88	-88	12	136	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Naphthalene	n/a	=	17	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Nitrobenzene	n/a	=	15.8	µg/L	EPA 625	0.36	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Nitrobenzene	n/a	=	63	%	EPA 625	-88	-88	35	180	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Nitrobenzene	n/a	=	15.4	µg/L	EPA 625	0.36	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Nitrobenzene	n/a	=	62	%	EPA 625	-88	-88	35	180	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Nitrobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	srgt method blank	4/17/2015	Organic	Nitrobenzene-d5	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/17/2015	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625	-88	-88	27	111	
2014/15-4	Lab	srgt LCS	4/17/2015	Organic	Nitrobenzene-d5	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/17/2015	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2014/15-4	Lab	srgt LCS dup	4/17/2015	Organic	Nitrobenzene-d5	n/a	=	15.8	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/17/2015	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 625	-88	-88	27	111	
2014/15-4	Lab	srgt method blank	4/23/2015	Organic	Nitrobenzene-d5	n/a	=	2.86	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/23/2015	Organic	Nitrobenzene-d5	n/a	=	57	%	EPA 8270Cm	-88	-88	51	143	
2014/15-4	Lab	srgt LCS	4/23/2015	Organic	Nitrobenzene-d5	n/a	=	3.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/23/2015	Organic	Nitrobenzene-d5	n/a	=	66	%	EPA 8270Cm	-88	-88	51	143	
2014/15-4	Lab	srgt LCS dup	4/24/2015	Organic	Nitrobenzene-d5	n/a	=	3.06	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/24/2015	Organic	Nitrobenzene-d5	n/a	=	61	%	EPA 8270Cm	-88	-88	51	143	
2014/15-4	MO-MEI	srgt environ	4/17/2015	Organic	Nitrobenzene-d5	n/a	=	20.5	µg/L	EPA 625	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/17/2015	Organic	Nitrobenzene-d5	n/a	=	82	%	EPA 625	-88	-88	27	111	
2014/15-4	MO-MEI	srgt environ	4/24/2015	Organic	Nitrobenzene-d5	n/a	=	4.07	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/24/2015	Organic	Nitrobenzene-d5	n/a	=	81	%	EPA 8270Cm	-88	-88	51	143	
2014/15-4	MO-OJA	srgt environ	4/17/2015	Organic	Nitrobenzene-d5	n/a	=	18.5	µg/L	EPA 625	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/17/2015	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625	-88	-88	27	111	
2014/15-4	MO-OJA	srgt environ	4/24/2015	Organic	Nitrobenzene-d5	n/a	=	4.08	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/24/2015	Organic	Nitrobenzene-d5	n/a	=	82	%	EPA 8270Cm	-88	-88	51	143	
2014/15-4	Lab	method blank	4/17/2015	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	N-Nitrosodimethylamine	n/a	=	10.4	µg/L	EPA 625	0.14	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	N-Nitrosodimethylamine	n/a	=	42	%	EPA 625	-88	-88	15	59	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	N-Nitrosodimethylamine	n/a	=	10.1	µg/L	EPA 625	0.14	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	N-Nitrosodimethylamine	n/a	=	41	%	EPA 625	-88	-88	15	59	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	N-Nitrosodimethylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	16.7	µg/L	EPA 625	0.26	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	67	%	EPA 625	-88	-88	0.1	230	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	15.8	µg/L	EPA 625	0.26	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	63	%	EPA 625	-88	-88	0.1	230	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	N-Nitrosodiphenylamine	n/a	=	15.3	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	N-Nitrosodiphenylamine	n/a	=	61	%	EPA 625	-88	-88	42	90	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	N-Nitrosodiphenylamine	n/a	=	15.4	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	N-Nitrosodiphenylamine	n/a	=	62	%	EPA 625	-88	-88	42	90	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	N-Nitrosodiphenylamine	n/a	=	0.8	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	srgt method blank	4/16/2015	Organic	Perylene-d12	n/a	=	5.16	µg/L	EPA 525.2	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/16/2015	Organic	Perylene-d12	n/a	=	103	%	EPA 525.2	-88	-88	30	118	
2014/15-4	Lab	srgt LCS dup	4/16/2015	Organic	Perylene-d12	n/a	=	5.88	µg/L	EPA 525.2	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/16/2015	Organic	Perylene-d12	n/a	=	118	%	EPA 525.2	-88	-88	30	118	
2014/15-4	Lab	srgt LCS	4/16/2015	Organic	Perylene-d12	n/a	=	6.13	µg/L	EPA 525.2	-88	-88			GN
2014/15-4	Lab	srgt LCS, rec	4/16/2015	Organic	Perylene-d12	n/a	=	123	%	EPA 525.2	-88	-88	30	118	GN
2014/15-4	MO-MEI	srgt environ	4/16/2015	Organic	Perylene-d12	n/a	=	2.26	µg/L	EPA 525.2	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/16/2015	Organic	Perylene-d12	n/a	=	45	%	EPA 525.2	-88	-88	30	118	
2014/15-4	MO-OJA	srgt environ	4/16/2015	Organic	Perylene-d12	n/a	=	2.06	µg/L	EPA 525.2	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/16/2015	Organic	Perylene-d12	n/a	=	41	%	EPA 525.2	-88	-88	30	118	
2014/15-4	Lab	method blank	4/17/2015	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Phenanthrene	n/a	=	20.9	µg/L	EPA 625	0.32	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Phenanthrene	n/a	=	84	%	EPA 625	-88	-88	54	120	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Phenanthrene	n/a	=	20.4	µg/L	EPA 625	0.32	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Phenanthrene	n/a	=	82	%	EPA 625	-88	-88	54	120	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Phenanthrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Phenanthrene	n/a	=	7.66	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Phenanthrene	n/a	=	77	%	EPA 8270Cm	-88	-88	21	131	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Phenanthrene	n/a	=	7.43	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Phenanthrene	n/a	=	74	%	EPA 8270Cm	-88	-88	21	131	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Phenanthrene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	method blank	4/17/2015	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Phenol	n/a	=	7.42	µg/L	EPA 625	0.16	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Phenol	n/a	=	30	%	EPA 625	-88	-88	5	112	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Phenol	n/a	=	6.76	µg/L	EPA 625	0.16	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Phenol	n/a	=	27	%	EPA 625	-88	-88	5	112	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Phenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/28/2015	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1			
2014/15-4	Lab	LCS	4/28/2015	Organic	Phenol	n/a	=	3.05	µg/L	EPA 8270Cm	0.35	1			
2014/15-4	Lab	LCS, rec	4/28/2015	Organic	Phenol	n/a	=	30	%	EPA 8270Cm	-88	-88	6	43	
2014/15-4	Lab	LCS dup	4/29/2015	Organic	Phenol	n/a	=	2.8	µg/L	EPA 8270Cm	0.35	1			
2014/15-4	Lab	LCS dup, rec	4/29/2015	Organic	Phenol	n/a	=	28	%	EPA 8270Cm	-88	-88	6	43	
2014/15-4	Lab	LCS, RPD	4/29/2015	Organic	Phenol	n/a	=	9	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	Lab	srgt method blank	4/17/2015	Organic	Phenol-d5	n/a	=	14	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/17/2015	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2014/15-4	Lab	srgt LCS	4/17/2015	Organic	Phenol-d5	n/a	=	14.5	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/17/2015	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2014/15-4	Lab	srgt LCS dup	4/17/2015	Organic	Phenol-d5	n/a	=	13.2	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/17/2015	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2014/15-4	Lab	srgt method blank	4/28/2015	Organic	Phenol-d5	n/a	=	3.86	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/28/2015	Organic	Phenol-d5	n/a	=	39	%	EPA 8270Cm	-88	-88	5	46	
2014/15-4	Lab	srgt LCS	4/28/2015	Organic	Phenol-d5	n/a	=	3.19	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/28/2015	Organic	Phenol-d5	n/a	=	32	%	EPA 8270Cm	-88	-88	5	46	
2014/15-4	Lab	srgt LCS dup	4/29/2015	Organic	Phenol-d5	n/a	=	2.88	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/29/2015	Organic	Phenol-d5	n/a	=	29	%	EPA 8270Cm	-88	-88	5	46	
2014/15-4	MO-MEI	srgt environ	4/17/2015	Organic	Phenol-d5	n/a	=	20.7	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	MO-MEI	srgt environ, rec	4/17/2015	Organic	Phenol-d5	n/a	=	41	%	EPA 625	-88	-88	0.1	53	
2014/15-4	MO-MEI	srgt environ	4/29/2015	Organic	Phenol-d5	n/a	=	7.14	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-4	MO-MEI	srgt environ, rec	4/29/2015	Organic	Phenol-d5	n/a	=	71	%	EPA 8270Cm	-88	-88	5	46	GN
2014/15-4	MO-OJA	srgt environ	4/17/2015	Organic	Phenol-d5	n/a	=	18.6	µg/L	EPA 625	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/17/2015	Organic	Phenol-d5	n/a	=	37	%	EPA 625	-88	-88	0.1	53	
2014/15-4	MO-OJA	srgt environ	4/29/2015	Organic	Phenol-d5	n/a	=	5.33	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-4	MO-OJA	srgt environ, rec	4/29/2015	Organic	Phenol-d5	n/a	=	53	%	EPA 8270Cm	-88	-88	5	46	GN
2014/15-4	Lab	srgt method blank	4/17/2015	Organic	p-Terphenyl-d14	n/a	=	21.2	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/17/2015	Organic	p-Terphenyl-d14	n/a	=	85	%	EPA 625	-88	-88	28	113	
2014/15-4	Lab	srgt LCS	4/17/2015	Organic	p-Terphenyl-d14	n/a	=	23.9	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/17/2015	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 625	-88	-88	28	113	
2014/15-4	Lab	srgt LCS dup	4/17/2015	Organic	p-Terphenyl-d14	n/a	=	24	µg/L	EPA 625	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/17/2015	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 625	-88	-88	28	113	
2014/15-4	Lab	srgt method blank	4/23/2015	Organic	p-Terphenyl-d14	n/a	=	4.97	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/23/2015	Organic	p-Terphenyl-d14	n/a	=	99	%	EPA 8270Cm	-88	-88	19	134	
2014/15-4	Lab	srgt LCS	4/23/2015	Organic	p-Terphenyl-d14	n/a	=	4.52	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/23/2015	Organic	p-Terphenyl-d14	n/a	=	90	%	EPA 8270Cm	-88	-88	19	134	
2014/15-4	Lab	srgt LCS dup	4/24/2015	Organic	p-Terphenyl-d14	n/a	=	4.19	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/24/2015	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 8270Cm	-88	-88	19	134	
2014/15-4	MO-MEI	srgt environ	4/17/2015	Organic	p-Terphenyl-d14	n/a	=	21.3	µg/L	EPA 625	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/17/2015	Organic	p-Terphenyl-d14	n/a	=	85	%	EPA 625	-88	-88	28	113	
2014/15-4	MO-MEI	srgt environ	4/24/2015	Organic	p-Terphenyl-d14	n/a	=	5.65	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/24/2015	Organic	p-Terphenyl-d14	n/a	=	113	%	EPA 8270Cm	-88	-88	19	134	
2014/15-4	MO-OJA	srgt environ	4/17/2015	Organic	p-Terphenyl-d14	n/a	=	21.5	µg/L	EPA 625	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/17/2015	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 625	-88	-88	28	113	
2014/15-4	MO-OJA	srgt environ	4/24/2015	Organic	p-Terphenyl-d14	n/a	=	5.17	µg/L	EPA 8270Cm	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/24/2015	Organic	p-Terphenyl-d14	n/a	=	103	%	EPA 8270Cm	-88	-88	19	134	
2014/15-4	Lab	method blank	4/17/2015	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-4	Lab	LCS	4/17/2015	Organic	Pyrene	n/a	=	22.8	µg/L	EPA 625	0.25	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Organic	Pyrene	n/a	=	91	%	EPA 625	-88	-88	52	115	
2014/15-4	Lab	LCS dup	4/17/2015	Organic	Pyrene	n/a	=	22.8	µg/L	EPA 625	0.25	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Organic	Pyrene	n/a	=	91	%	EPA 625	-88	-88	52	115	
2014/15-4	Lab	LCS, RPD	4/17/2015	Organic	Pyrene	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/23/2015	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS	4/23/2015	Organic	Pyrene	n/a	=	8.58	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS, rec	4/23/2015	Organic	Pyrene	n/a	=	86	%	EPA 8270Cm	-88	-88	26	128	
2014/15-4	Lab	LCS dup	4/24/2015	Organic	Pyrene	n/a	=	7.94	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-4	Lab	LCS dup, rec	4/24/2015	Organic	Pyrene	n/a	=	79	%	EPA 8270Cm	-88	-88	26	128	
2014/15-4	Lab	LCS, RPD	4/24/2015	Organic	Pyrene	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	000NONPJ	srgt matrix spike	4/15/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0448	µg/L	EPA 608	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike, rec	4/15/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	45	%	EPA 608	-88	-88	12	117	
2014/15-4	000NONPJ	srgt matrix spike dup	4/15/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0469	µg/L	EPA 608	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike dup, rec	4/15/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	47	%	EPA 608	-88	-88	12	117	
2014/15-4	Lab	srgt method blank	4/14/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0567	µg/L	EPA 608	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/14/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	57	%	EPA 608	-88	-88	12	117	
2014/15-4	Lab	srgt LCS	4/14/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0698	µg/L	EPA 608	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/14/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	70	%	EPA 608	-88	-88	12	117	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	MO-MEI	srgt environ	4/15/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0727	µg/L	EPA 608	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/15/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608	-88	-88	12	117	
2014/15-4	MO-OJA	srgt environ	4/15/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0642	µg/L	EPA 608	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/15/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	64	%	EPA 608	-88	-88	12	117	
2014/15-4	Lab	srgt LCS	4/13/2015	Organic	Toluene-d8	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/13/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-4	Lab	srgt LCS dup	4/13/2015	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/13/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-4	Lab	srgt method blank	4/13/2015	Organic	Toluene-d8	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/13/2015	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2014/15-4	ME-VR2	srgt environ	4/13/2015	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2014/15-4	ME-VR2	srgt environ, rec	4/13/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-4	ME-VR2	srgt matrix spike	4/14/2015	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2014/15-4	ME-VR2	srgt matrix spike, rec	4/14/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-4	ME-VR2	srgt matrix spike dup	4/14/2015	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2014/15-4	ME-VR2	srgt matrix spike dup, rec	4/14/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-4	MO-MEI	srgt environ	4/13/2015	Organic	Toluene-d8	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/13/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-4	MO-OJA	srgt environ	4/13/2015	Organic	Toluene-d8	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/13/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-4	000NONPJ	srgt matrix spike	4/15/2015	Organic	Triphenylphosphate	n/a	=	0.566	µg/L	EPA 525.2m	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike, rec	4/15/2015	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2m	-88	-88	40	163	
2014/15-4	000NONPJ	srgt matrix spike dup	4/15/2015	Organic	Triphenylphosphate	n/a	=	0.577	µg/L	EPA 525.2m	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike dup, rec	4/15/2015	Organic	Triphenylphosphate	n/a	=	115	%	EPA 525.2m	-88	-88	40	163	
2014/15-4	Lab	srgt method blank	4/15/2015	Organic	Triphenylphosphate	n/a	=	0.585	µg/L	EPA 525.2m	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/15/2015	Organic	Triphenylphosphate	n/a	=	117	%	EPA 525.2m	-88	-88	40	163	
2014/15-4	Lab	srgt LCS	4/15/2015	Organic	Triphenylphosphate	n/a	=	0.615	µg/L	EPA 525.2m	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/15/2015	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2014/15-4	Lab	srgt method blank	4/16/2015	Organic	Triphenylphosphate	n/a	=	5.91	µg/L	EPA 525.2	-88	-88			
2014/15-4	Lab	srgt method blank, rec	4/16/2015	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2	-88	-88	70	149	
2014/15-4	Lab	srgt LCS dup	4/16/2015	Organic	Triphenylphosphate	n/a	=	6	µg/L	EPA 525.2	-88	-88			
2014/15-4	Lab	srgt LCS dup, rec	4/16/2015	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2	-88	-88	70	149	
2014/15-4	Lab	srgt LCS	4/16/2015	Organic	Triphenylphosphate	n/a	=	6.4	µg/L	EPA 525.2	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/16/2015	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2	-88	-88	70	149	
2014/15-4	MO-MEI	srgt environ	4/14/2015	Organic	Triphenylphosphate	n/a	=	0.632	µg/L	EPA 525.2m	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/14/2015	Organic	Triphenylphosphate	n/a	=	126	%	EPA 525.2m	-88	-88	40	163	
2014/15-4	MO-MEI	srgt environ	4/16/2015	Organic	Triphenylphosphate	n/a	=	2.43	µg/L	EPA 525.2	-88	-88			GN
2014/15-4	MO-MEI	srgt environ, rec	4/16/2015	Organic	Triphenylphosphate	n/a	=	49	%	EPA 525.2	-88	-88	70	149	GN
2014/15-4	MO-OJA	srgt environ	4/14/2015	Organic	Triphenylphosphate	n/a	=	0.595	µg/L	EPA 525.2m	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/14/2015	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2m	-88	-88	40	163	
2014/15-4	MO-OJA	srgt environ	4/16/2015	Organic	Triphenylphosphate	n/a	=	2.7	µg/L	EPA 525.2	-88	-88			GN
2014/15-4	MO-OJA	srgt environ, rec	4/16/2015	Organic	Triphenylphosphate	n/a	=	54	%	EPA 525.2	-88	-88	70	149	GN
2014/15-4	000NONPJ	srgt matrix spike	4/15/2015	PCB	PCB 209	n/a	=	0.0752	µg/L	EPA 608	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike, rec	4/15/2015	PCB	PCB 209	n/a	=	75	%	EPA 608	-88	-88	0.1	118	
2014/15-4	000NONPJ	srgt matrix spike dup	4/15/2015	PCB	PCB 209	n/a	=	0.0692	µg/L	EPA 608	-88	-88			
2014/15-4	000NONPJ	srgt matrix spike dup, rec	4/15/2015	PCB	PCB 209	n/a	=	69	%	EPA 608	-88	-88	0.1	118	
2014/15-4	Lab	srgt method blank	4/14/2015	PCB	PCB 209	n/a	=	0.0866	µg/L	EPA 608	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	srgt method blank, rec	4/14/2015	PCB	PCB 209	n/a	=	87	%	EPA 608	-88	-88	0.1	118	
2014/15-4	Lab	srgt LCS	4/14/2015	PCB	PCB 209	n/a	=	0.0824	µg/L	EPA 608	-88	-88			
2014/15-4	Lab	srgt LCS, rec	4/14/2015	PCB	PCB 209	n/a	=	82	%	EPA 608	-88	-88	0.1	118	
2014/15-4	MO-MEI	srgt environ	4/15/2015	PCB	PCB 209	n/a	=	0.0504	µg/L	EPA 608	-88	-88			
2014/15-4	MO-MEI	srgt environ, rec	4/15/2015	PCB	PCB 209	n/a	=	50	%	EPA 608	-88	-88	0.1	118	
2014/15-4	MO-OJA	srgt environ	4/15/2015	PCB	PCB 209	n/a	=	0.0484	µg/L	EPA 608	-88	-88			
2014/15-4	MO-OJA	srgt environ, rec	4/15/2015	PCB	PCB 209	n/a	=	48	%	EPA 608	-88	-88	0.1	118	
2014/15-4	Lab	method blank	4/14/2015	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2014/15-4	Lab	method blank	4/14/2015	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-4	Lab	method blank	4/14/2015	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2014/15-4	Lab	method blank	4/14/2015	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2014/15-4	Lab	method blank	4/14/2015	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-4	Lab	method blank	4/14/2015	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-4	Lab	method blank	4/14/2015	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	2,4,5-T	n/a	=	4.2	µg/L	EPA 515.3	0.07	0.2			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	2,4,5-T	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	2,4,5-T	n/a	=	4.24	µg/L	EPA 515.3	0.07	0.2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	2,4,5-T	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	2,4,5-T	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	2,4,5-T	n/a	=	5.21	µg/L	EPA 515.3	0.07	0.2			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	2,4,5-T	n/a	=	130	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	2,4,5-T	n/a	=	5.09	µg/L	EPA 515.3	0.07	0.2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	2,4,5-T	n/a	=	127	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	2,4,5-T	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	2,4,5-T	n/a	=	4	µg/L	EPA 515.3	0.07	0.2			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	2,4,5-T	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	2,4,5-TP	n/a	=	3.66	µg/L	EPA 515.3	0.09	0.2			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	2,4,5-TP	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	2,4,5-TP	n/a	=	3.64	µg/L	EPA 515.3	0.09	0.2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	2,4,5-TP	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	2,4,5-TP	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	2,4,5-TP	n/a	=	3.97	µg/L	EPA 515.3	0.09	0.2			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	2,4,5-TP	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	2,4,5-TP	n/a	=	4.04	µg/L	EPA 515.3	0.09	0.2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	2,4,5-TP	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	2,4,5-TP	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	2,4,5-TP	n/a	=	3.57	µg/L	EPA 515.3	0.09	0.2			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	2,4,5-TP	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	2,4-D	n/a	=	8.78	µg/L	EPA 515.3	0.07	0.4			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	2,4-D	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	2,4-D	n/a	=	8.74	µg/L	EPA 515.3	0.07	0.4			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	2,4-D	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	2,4-D	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	2,4-D	n/a	=	9.55	µg/L	EPA 515.3	0.07	0.4			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	2,4-D	n/a	=	119	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	2,4-D	n/a	=	9.28	µg/L	EPA 515.3	0.07	0.4			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	2,4-D	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	2,4-D	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	2,4-D	n/a	=	8.54	µg/L	EPA 515.3	0.07	0.4			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	2,4-D	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	2,4-DB	n/a	=	16.4	µg/L	EPA 515.3	0.07	2			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	2,4-DB	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	2,4-DB	n/a	=	16.5	µg/L	EPA 515.3	0.07	2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	2,4-DB	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	2,4-DB	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	2,4-DB	n/a	=	14.5	µg/L	EPA 515.3	0.07	2			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	2,4-DB	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	2,4-DB	n/a	=	14.6	µg/L	EPA 515.3	0.07	2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	2,4-DB	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	2,4-DB	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	2,4-DB	n/a	=	15.3	µg/L	EPA 515.3	0.07	2			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	2,4-DB	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.38	µg/L	EPA 515.3	0.09	1			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.31	µg/L	EPA 515.3	0.09	1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.06	µg/L	EPA 515.3	0.09	1			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.15	µg/L	EPA 515.3	0.09	1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.08	µg/L	EPA 515.3	0.09	1			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	4,4'-DDD	n/a	=	0.0868	µg/L	EPA 608	0.003	0.05			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	4,4'-DDD	n/a	=	87	%	EPA 608	-88	-88	23	124	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	4,4'-DDD	n/a	=	0.0858	µg/L	EPA 608	0.003	0.05			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	4,4'-DDD	n/a	=	86	%	EPA 608	-88	-88	23	124	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	4,4'-DDD	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	4,4'-DDD	n/a	=	0.0939	µg/L	EPA 608	0.003	0.05			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	4,4'-DDD	n/a	=	94	%	EPA 608	-88	-88	42	133	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	4,4'-DDE	n/a	=	0.124	µg/L	EPA 608	0.0025	0.05			GB
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	4,4'-DDE	n/a	=	124	%	EPA 608	-88	-88	30	114	GB
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	4,4'-DDE	n/a	=	0.125	µg/L	EPA 608	0.0025	0.05			GB
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	4,4'-DDE	n/a	=	125	%	EPA 608	-88	-88	30	114	GB
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	4,4'-DDE	n/a	=	0.3	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	4,4'-DDE	n/a	=	0.0873	µg/L	EPA 608	0.0025	0.05			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	4,4'-DDE	n/a	=	87	%	EPA 608	-88	-88	33	126	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	4,4'-DDT	n/a	=	0.0786	µg/L	EPA 608	0.0031	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	4,4'-DDT	n/a	=	79	%	EPA 608	-88	-88	11	151	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	4,4'-DDT	n/a	=	0.0745	µg/L	EPA 608	0.0031	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	4,4'-DDT	n/a	=	75	%	EPA 608	-88	-88	11	151	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	4,4'-DDT	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	4,4'-DDT	n/a	=	0.0938	µg/L	EPA 608	0.0031	0.01			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	4,4'-DDT	n/a	=	94	%	EPA 608	-88	-88	35	147	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Acifluorfen	n/a	=	4.38	µg/L	EPA 515.3	0.06	0.4			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Acifluorfen	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Acifluorfen	n/a	=	4.4	µg/L	EPA 515.3	0.06	0.4			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Acifluorfen	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Acifluorfen	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Acifluorfen	n/a	=	6.41	µg/L	EPA 515.3	0.06	0.4			GB
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Acifluorfen	n/a	=	160	%	EPA 515.3	-88	-88	70	130	GB
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Acifluorfen	n/a	=	6.43	µg/L	EPA 515.3	0.06	0.4			GB
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Acifluorfen	n/a	=	161	%	EPA 515.3	-88	-88	70	130	GB
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Acifluorfen	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Acifluorfen	n/a	=	4.27	µg/L	EPA 515.3	0.06	0.4			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Acifluorfen	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Alachlor	n/a	=	5.69	µg/L	EPA 525.2	0.022	0.1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Alachlor	n/a	=	114	%	EPA 525.2	-88	-88	55	124	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Alachlor	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Alachlor	n/a	=	5.41	µg/L	EPA 525.2	0.022	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Alachlor	n/a	=	108	%	EPA 525.2	-88	-88	55	124	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Aldrin	n/a	=	0.0474	µg/L	EPA 608	0.0015	0.005			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Aldrin	n/a	=	47	%	EPA 608	-88	-88	18	110	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Aldrin	n/a	=	0.0481	µg/L	EPA 608	0.0015	0.005			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Aldrin	n/a	=	48	%	EPA 608	-88	-88	18	110	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Aldrin	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	Aldrin	n/a	=	0.0739	µg/L	EPA 608	0.0015	0.005			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	Aldrin	n/a	=	74	%	EPA 608	-88	-88	18	117	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	alpha-BHC	n/a	=	0.0707	µg/L	EPA 608	0.0018	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	alpha-BHC	n/a	=	71	%	EPA 608	-88	-88	43	114	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	alpha-BHC	n/a	=	0.0702	µg/L	EPA 608	0.0018	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	alpha-BHC	n/a	=	70	%	EPA 608	-88	-88	43	114	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	alpha-BHC	n/a	=	0.6	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	alpha-BHC	n/a	=	0.0808	µg/L	EPA 608	0.0018	0.01			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	alpha-BHC	n/a	=	81	%	EPA 608	-88	-88	47	119	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Atrazine	n/a	=	6.37	µg/L	EPA 525.2	0.034	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Atrazine	n/a	=	127	%	EPA 525.2	-88	-88	67	131	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Atrazine	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Atrazine	n/a	=	5.91	µg/L	EPA 525.2	0.034	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Atrazine	n/a	=	118	%	EPA 525.2	-88	-88	67	131	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Azinphos methyl	n/a	=	0.0601	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Azinphos methyl	n/a	=	120	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Azinphos methyl	n/a	=	0.0619	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Azinphos methyl	n/a	=	124	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Azinphos methyl	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Azinphos methyl	n/a	=	0.0622	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Azinphos methyl	n/a	=	124	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Bentazon	n/a	=	15.4	µg/L	EPA 515.3	0.11	2			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Bentazon	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Bentazon	n/a	=	15.5	µg/L	EPA 515.3	0.11	2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Bentazon	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Bentazon	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Bentazon	n/a	=	17.4	µg/L	EPA 515.3	0.11	2			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Bentazon	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Bentazon	n/a	=	18	µg/L	EPA 515.3	0.11	2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Bentazon	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Bentazon	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Bentazon	n/a	=	14.7	µg/L	EPA 515.3	0.11	2			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Bentazon	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	beta-BHC	n/a	=	0.0949	µg/L	EPA 608	0.0031	0.005			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	beta-BHC	n/a	=	95	%	EPA 608	-88	-88	24	135	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	beta-BHC	n/a	=	0.093	µg/L	EPA 608	0.0031	0.005			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	beta-BHC	n/a	=	93	%	EPA 608	-88	-88	24	135	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	beta-BHC	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	beta-BHC	n/a	=	0.0945	µg/L	EPA 608	0.0031	0.005			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	beta-BHC	n/a	=	94	%	EPA 608	-88	-88	53	123	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Bolstar	n/a	=	0.0322	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Bolstar	n/a	=	64	%	EPA 525.2m	-88	-88	4	184	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Bolstar	n/a	=	0.0307	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Bolstar	n/a	=	61	%	EPA 525.2m	-88	-88	4	184	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Bolstar	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Bolstar	n/a	=	0.045	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Bolstar	n/a	=	90	%	EPA 525.2m	-88	-88	11	166	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Bromacil	n/a	=	4.47	µg/L	EPA 525.2	0.038	1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Bromacil	n/a	=	89	%	EPA 525.2	-88	-88	62	139	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Bromacil	n/a	=	0	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Bromacil	n/a	=	4.47	µg/L	EPA 525.2	0.038	1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Bromacil	n/a	=	89	%	EPA 525.2	-88	-88	62	139	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Butachlor	n/a	=	5.41	µg/L	EPA 525.2	0.017	0.2			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Butachlor	n/a	=	108	%	EPA 525.2	-88	-88	61	127	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Butachlor	n/a	=	0.9	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Butachlor	n/a	=	5.36	µg/L	EPA 525.2	0.017	0.2			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Butachlor	n/a	=	107	%	EPA 525.2	-88	-88	61	127	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Captan	n/a	=	6.21	µg/L	EPA 525.2	0.86	1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Captan	n/a	=	124	%	EPA 525.2	-88	-88	14	159	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Captan	n/a	=	0.5	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Captan	n/a	=	6.24	µg/L	EPA 525.2	0.86	1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Captan	n/a	=	125	%	EPA 525.2	-88	-88	14	159	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Chloroprotham	n/a	=	5.89	µg/L	EPA 525.2	0.01	0.1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Chloroprotham	n/a	=	118	%	EPA 525.2	-88	-88	77	143	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Chloroprotham	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Chloroprotham	n/a	=	5.83	µg/L	EPA 525.2	0.01	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Chloroprotham	n/a	=	117	%	EPA 525.2	-88	-88	77	143	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Chlorpyrifos	n/a	=	0.0618	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Chlorpyrifos	n/a	=	124	%	EPA 525.2m	-88	-88	37	168	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Chlorpyrifos	n/a	=	0.06	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Chlorpyrifos	n/a	=	120	%	EPA 525.2m	-88	-88	37	168	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Chlorpyrifos	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Chlorpyrifos	n/a	=	0.0548	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Chlorpyrifos	n/a	=	110	%	EPA 525.2m	-88	-88	37	169	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Coumaphos	n/a	=	0.0515	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Coumaphos	n/a	=	103	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Coumaphos	n/a	=	0.0559	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Coumaphos	n/a	=	112	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Coumaphos	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Coumaphos	n/a	=	0.0571	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Coumaphos	n/a	=	114	%	EPA 525.2m	-88	-88	0.1	225	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Cyanazine	n/a	=	4.29	µg/L	EPA 525.2	0.024	0.1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Cyanazine	n/a	=	86	%	EPA 525.2	-88	-88	61	129	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Cyanazine	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Cyanazine	n/a	=	4.67	µg/L	EPA 525.2	0.024	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Cyanazine	n/a	=	93	%	EPA 525.2	-88	-88	61	129	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Dalapon	n/a	=	8.64	µg/L	EPA 515.3	0.1	0.4			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Dalapon	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Dalapon	n/a	=	8.34	µg/L	EPA 515.3	0.1	0.4			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Dalapon	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Dalapon	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Dalapon	n/a	=	6.39	µg/L	EPA 515.3	0.1	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Dalapon	n/a	=	72	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Dalapon	n/a	=	6.52	µg/L	EPA 515.3	0.1	0.4			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Dalapon	n/a	=	73	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Dalapon	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Dalapon	n/a	=	8.28	µg/L	EPA 515.3	0.1	0.4			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Dalapon	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.34	µg/L	EPA 515.3	0.07	0.1			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.3	µg/L	EPA 515.3	0.07	0.1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	=	4.46	µg/L	EPA 515.3	0.07	0.1			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	=	4.49	µg/L	EPA 515.3	0.07	0.1			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.26	µg/L	EPA 515.3	0.07	0.1			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	DCPA (Dacthal)	n/a	=	82	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	delta-BHC	n/a	=	0.0765	µg/L	EPA 608	0.0025	0.005			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	delta-BHC	n/a	=	77	%	EPA 608	-88	-88	37	122	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	delta-BHC	n/a	=	0.0756	µg/L	EPA 608	0.0025	0.005			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	delta-BHC	n/a	=	76	%	EPA 608	-88	-88	37	122	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	delta-BHC	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	delta-BHC	n/a	=	0.0971	µg/L	EPA 608	0.0025	0.005			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	delta-BHC	n/a	=	97	%	EPA 608	-88	-88	51	123	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Demeton-O	n/a	=	0.0309	µg/L	EPA 525.2m	0.01	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Demeton-O	n/a	=	62	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Demeton-O	n/a	=	0.0215	µg/L	EPA 525.2m	0.01	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Demeton-O	n/a	=	43	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Demeton-O	n/a	=	36	%	EPA 525.2m	-88	-88	0	30	IL
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Demeton-O	n/a	=	0.039	µg/L	EPA 525.2m	0.01	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Demeton-O	n/a	=	78	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Demeton-S	n/a	=	0.0344	µg/L	EPA 525.2m	0.01	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Demeton-S	n/a	=	69	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Demeton-S	n/a	=	0.0287	µg/L	EPA 525.2m	0.01	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Demeton-S	n/a	=	57	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Demeton-S	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Demeton-S	n/a	=	0.0534	µg/L	EPA 525.2m	0.01	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Demeton-S	n/a	=	107	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Diazinon	n/a	=	0.0602	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Diazinon	n/a	=	120	%	EPA 525.2m	-88	-88	36	153	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Diazinon	n/a	=	0.0547	µg/L	EPA 525.2m	0.0052	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Diazinon	n/a	=	109	%	EPA 525.2m	-88	-88	36	153	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Diazinon	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Diazinon	n/a	=	0.0507	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Diazinon	n/a	=	101	%	EPA 525.2m	-88	-88	43	152	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Diazinon	n/a	=	4.33	µg/L	EPA 525.2	0.096	0.1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Diazinon	n/a	=	87	%	EPA 525.2	-88	-88	30	120	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Diazinon	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Diazinon	n/a	=	4.09	µg/L	EPA 525.2	0.096	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Diazinon	n/a	=	82	%	EPA 525.2	-88	-88	30	120	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Dicamba	n/a	=	8	µg/L	EPA 515.3	0.12	0.6			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Dicamba	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Dicamba	n/a	=	7.89	µg/L	EPA 515.3	0.12	0.6			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Dicamba	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Dicamba	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Dicamba	n/a	=	8.7	µg/L	EPA 515.3	0.12	0.6			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Dicamba	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Dicamba	n/a	=	8.87	µg/L	EPA 515.3	0.12	0.6			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Dicamba	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Dicamba	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Dicamba	n/a	=	7.78	µg/L	EPA 515.3	0.12	0.6			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Dicamba	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Dichlorprop	n/a	=	8.3	µg/L	EPA 515.3	0.08	0.3			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Dichlorprop	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Dichlorprop	n/a	=	8.24	µg/L	EPA 515.3	0.08	0.3			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Dichlorprop	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Dichlorprop	n/a	=	0.7	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Dichlorprop	n/a	=	7.91	µg/L	EPA 515.3	0.08	0.3			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Dichlorprop	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Dichlorprop	n/a	=	7.9	µg/L	EPA 515.3	0.08	0.3			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Dichlorprop	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Dichlorprop	n/a	=	0.1	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Dichlorprop	n/a	=	8.08	µg/L	EPA 515.3	0.08	0.3			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Dichlorprop	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Dichlorvos	n/a	=	0.0615	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Dichlorvos	n/a	=	123	%	EPA 525.2m	-88	-88	42	137	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Dichlorvos	n/a	=	0.0629	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Dichlorvos	n/a	=	126	%	EPA 525.2m	-88	-88	42	137	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Dichlorvos	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Dichlorvos	n/a	=	0.0571	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Dichlorvos	n/a	=	114	%	EPA 525.2m	-88	-88	46	133	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Dieldrin	n/a	=	0.0755	µg/L	EPA 608	0.0021	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Dieldrin	n/a	=	76	%	EPA 608	-88	-88	27	132	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Dieldrin	n/a	=	0.0742	µg/L	EPA 608	0.0021	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Dieldrin	n/a	=	74	%	EPA 608	-88	-88	27	132	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Dieldrin	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	Dieldrin	n/a	=	0.0796	µg/L	EPA 608	0.0021	0.01			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	Dieldrin	n/a	=	80	%	EPA 608	-88	-88	48	123	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Dimethoate	n/a	=	0.077	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Dimethoate	n/a	=	154	%	EPA 525.2m	-88	-88	4	222	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Dimethoate	n/a	=	0.0812	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Dimethoate	n/a	=	162	%	EPA 525.2m	-88	-88	4	222	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Dimethoate	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Dimethoate	n/a	=	0.0736	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Dimethoate	n/a	=	147	%	EPA 525.2m	-88	-88	10	234	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Dimethoate	n/a	=	4.63	µg/L	EPA 525.2	0.024	0.2			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Dimethoate	n/a	=	93	%	EPA 525.2	-88	-88	38	102	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Dimethoate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Dimethoate	n/a	=	4.43	µg/L	EPA 525.2	0.024	0.2			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Dimethoate	n/a	=	89	%	EPA 525.2	-88	-88	38	102	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Dinoseb	n/a	=	3.6	µg/L	EPA 515.3	0.14	0.4			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Dinoseb	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Dinoseb	n/a	=	3.6	µg/L	EPA 515.3	0.14	0.4			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Dinoseb	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Dinoseb	n/a	=	0.1	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Dinoseb	n/a	=	3.43	µg/L	EPA 515.3	0.14	0.4			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Dinoseb	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Dinoseb	n/a	=	3.45	µg/L	EPA 515.3	0.14	0.4			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Dinoseb	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Dinoseb	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Dinoseb	n/a	=	3.49	µg/L	EPA 515.3	0.14	0.4			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Dinoseb	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Diphenamid	n/a	=	4.93	µg/L	EPA 525.2	0.024	0.1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Diphenamid	n/a	=	99	%	EPA 525.2	-88	-88	77	124	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Diphenamid	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Diphenamid	n/a	=	5.09	µg/L	EPA 525.2	0.024	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Diphenamid	n/a	=	102	%	EPA 525.2	-88	-88	77	124	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Disulfoton	n/a	=	0.0336	µg/L	EPA 525.2m	0.01	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Disulfoton	n/a	=	67	%	EPA 525.2m	-88	-88	12	199	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Disulfoton	n/a	=	0.0266	µg/L	EPA 525.2m	0.01	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Disulfoton	n/a	=	53	%	EPA 525.2m	-88	-88	12	199	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Disulfoton	n/a	=	23	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Disulfoton	n/a	=	0.0494	µg/L	EPA 525.2m	0.01	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Disulfoton	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	212	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Disulfoton	n/a	=	1.98	µg/L	EPA 525.2	0.031	0.1			EUM
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Disulfoton	n/a	=	40	%	EPA 525.2	-88	-88	54	156	EUM
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Disulfoton	n/a	=	79	%	EPA 525.2	-88	-88	0	30	IL
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Disulfoton	n/a	=	4.58	µg/L	EPA 525.2	0.031	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Disulfoton	n/a	=	92	%	EPA 525.2	-88	-88	54	156	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Endosulfan I	n/a	=	0.0706	µg/L	EPA 608	0.0017	0.02			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Endosulfan I	n/a	=	71	%	EPA 608	-88	-88	0.1	140	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Endosulfan I	n/a	=	0.0688	µg/L	EPA 608	0.0017	0.02			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Endosulfan I	n/a	=	69	%	EPA 608	-88	-88	0.1	140	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Endosulfan I	n/a	=	3	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	Endosulfan I	n/a	=	0.0762	µg/L	EPA 608	0.0017	0.02			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	Endosulfan I	n/a	=	76	%	EPA 608	-88	-88	14	131	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Endosulfan II	n/a	=	0.0854	µg/L	EPA 608	0.0019	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Endosulfan II	n/a	=	85	%	EPA 608	-88	-88	17	122	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Endosulfan II	n/a	=	0.0807	µg/L	EPA 608	0.0019	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Endosulfan II	n/a	=	81	%	EPA 608	-88	-88	17	122	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Endosulfan II	n/a	=	6	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	Endosulfan II	n/a	=	0.0759	µg/L	EPA 608	0.0019	0.01			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	Endosulfan II	n/a	=	76	%	EPA 608	-88	-88	40	121	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Endosulfan sulfate	n/a	=	0.0722	µg/L	EPA 608	0.008	0.05			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Endosulfan sulfate	n/a	=	72	%	EPA 608	-88	-88	37	131	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Endosulfan sulfate	n/a	=	0.0736	µg/L	EPA 608	0.008	0.05			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Endosulfan sulfate	n/a	=	74	%	EPA 608	-88	-88	37	131	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Endosulfan sulfate	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	Endosulfan sulfate	n/a	=	0.0791	µg/L	EPA 608	0.008	0.05			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	Endosulfan sulfate	n/a	=	79	%	EPA 608	-88	-88	44	140	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Endrin	n/a	=	0.0936	µg/L	EPA 608	0.0028	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Endrin	n/a	=	94	%	EPA 608	-88	-88	42	144	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Endrin	n/a	=	0.0927	µg/L	EPA 608	0.0028	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Endrin	n/a	=	93	%	EPA 608	-88	-88	42	144	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Endrin	n/a	=	0.9	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	Endrin	n/a	=	0.0846	µg/L	EPA 608	0.0028	0.01			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	Endrin	n/a	=	85	%	EPA 608	-88	-88	40	143	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Endrin aldehyde	n/a	=	0.0497	µg/L	EPA 608	0.003	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Endrin aldehyde	n/a	=	50	%	EPA 608	-88	-88	11	113	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Endrin aldehyde	n/a	=	0.0538	µg/L	EPA 608	0.003	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Endrin aldehyde	n/a	=	54	%	EPA 608	-88	-88	11	113	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Endrin aldehyde	n/a	=	8	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	Endrin aldehyde	n/a	=	0.0828	µg/L	EPA 608	0.003	0.01			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	Endrin aldehyde	n/a	=	83	%	EPA 608	-88	-88	18	136	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	EPTC	n/a	=	5.24	µg/L	EPA 525.2	0.017	1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	EPTC	n/a	=	105	%	EPA 525.2	-88	-88	82	116	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	EPTC	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	EPTC	n/a	=	5.33	µg/L	EPA 525.2	0.017	1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	EPTC	n/a	=	107	%	EPA 525.2	-88	-88	82	116	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Ethoprop	n/a	=	0.0679	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Ethoprop	n/a	=	136	%	EPA 525.2m	-88	-88	51	167	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Ethoprop	n/a	=	0.0678	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Ethoprop	n/a	=	136	%	EPA 525.2m	-88	-88	51	167	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Ethoprop	n/a	=	0.2	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Ethoprop	n/a	=	0.0595	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Ethoprop	n/a	=	119	%	EPA 525.2m	-88	-88	53	163	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Ethyl parathion	n/a	=	0.0641	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Ethyl parathion	n/a	=	128	%	EPA 525.2m	-88	-88	5	229	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Ethyl parathion	n/a	=	0.0631	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Ethyl parathion	n/a	=	126	%	EPA 525.2m	-88	-88	5	229	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Ethyl parathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Ethyl parathion	n/a	=	0.0526	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Ethyl parathion	n/a	=	105	%	EPA 525.2m	-88	-88	7	230	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Fensulfothion	n/a	=	0.103	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Fensulfothion	n/a	=	207	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Fensulfothion	n/a	=	0.115	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Fensulfothion	n/a	=	230	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Fensulfothion	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Fensulfothion	n/a	=	0.119	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Fensulfothion	n/a	=	238	%	EPA 525.2m	-88	-88	0.1	265	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Fenthion	n/a	=	0.0536	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Fenthion	n/a	=	107	%	EPA 525.2m	-88	-88	23	169	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Fenthion	n/a	=	0.0489	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Fenthion	n/a	=	98	%	EPA 525.2m	-88	-88	23	169	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Fenthion	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Fenthion	n/a	=	0.0596	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Fenthion	n/a	=	119	%	EPA 525.2m	-88	-88	20	177	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0628	µg/L	EPA 608	0.0021	0.02			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	63	%	EPA 608	-88	-88	33	112	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0618	µg/L	EPA 608	0.0021	0.02			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	62	%	EPA 608	-88	-88	33	112	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0824	µg/L	EPA 608	0.0021	0.02			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	82	%	EPA 608	-88	-88	49	117	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2014/15-4	000NONPJ	matrix spike	4/13/2015	Pesticide	Glyphosate	n/a	=	23.8	µg/L	EPA 547	1.8	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike, rec	4/13/2015	Pesticide	Glyphosate	n/a	=	95	%	EPA 547	-88	-88	41	149	
2014/15-4	000NONPJ	matrix spike dup	4/13/2015	Pesticide	Glyphosate	n/a	=	23.8	µg/L	EPA 547	1.8	5			
2014/15-4	000NONPJ	matrix spike dup, rec	4/13/2015	Pesticide	Glyphosate	n/a	=	95	%	EPA 547	-88	-88	41	149	
2014/15-4	000NONPJ	matrix spike, RPD	4/13/2015	Pesticide	Glyphosate	n/a	=	0.2	%	EPA 547	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/13/2015	Pesticide	Glyphosate	n/a	=	37.6	µg/L	EPA 547	1.8	5			GB
2014/15-4	000NONPJ	matrix spike, rec	4/13/2015	Pesticide	Glyphosate	n/a	=	150	%	EPA 547	-88	-88	41	149	GB
2014/15-4	000NONPJ	matrix spike dup	4/13/2015	Pesticide	Glyphosate	n/a	=	40.9	µg/L	EPA 547	1.8	5			GB
2014/15-4	000NONPJ	matrix spike dup, rec	4/13/2015	Pesticide	Glyphosate	n/a	=	164	%	EPA 547	-88	-88	41	149	GB
2014/15-4	000NONPJ	matrix spike, RPD	4/13/2015	Pesticide	Glyphosate	n/a	=	8	%	EPA 547	-88	-88	0	30	
2014/15-4	Lab	method blank	4/13/2015	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2014/15-4	Lab	LCS	4/13/2015	Pesticide	Glyphosate	n/a	=	31.8	µg/L	EPA 547	1.8	5			
2014/15-4	Lab	LCS, rec	4/13/2015	Pesticide	Glyphosate	n/a	=	127	%	EPA 547	-88	-88	62	130	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Heptachlor	n/a	=	0.0738	µg/L	EPA 608	0.0017	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Heptachlor	n/a	=	74	%	EPA 608	-88	-88	28	131	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Heptachlor	n/a	=	0.0719	µg/L	EPA 608	0.0017	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Heptachlor	n/a	=	72	%	EPA 608	-88	-88	28	131	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Heptachlor	n/a	=	3	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	Heptachlor	n/a	=	0.0815	µg/L	EPA 608	0.0017	0.01			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	Heptachlor	n/a	=	82	%	EPA 608	-88	-88	31	130	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Heptachlor epoxide	n/a	=	0.0677	µg/L	EPA 608	0.0019	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Heptachlor epoxide	n/a	=	68	%	EPA 608	-88	-88	36	117	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Heptachlor epoxide	n/a	=	0.0664	µg/L	EPA 608	0.0019	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Heptachlor epoxide	n/a	=	66	%	EPA 608	-88	-88	36	117	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Heptachlor epoxide	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-4	Lab	LCS	4/14/2015	Pesticide	Heptachlor epoxide	n/a	=	0.0787	µg/L	EPA 608	0.0019	0.01			
2014/15-4	Lab	LCS, rec	4/14/2015	Pesticide	Heptachlor epoxide	n/a	=	79	%	EPA 608	-88	-88	49	122	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Malathion	n/a	=	0.0697	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Malathion	n/a	=	139	%	EPA 525.2m	-88	-88	6	184	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Malathion	n/a	=	0.0682	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Malathion	n/a	=	136	%	EPA 525.2m	-88	-88	6	184	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Malathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Malathion	n/a	=	0.0582	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Malathion	n/a	=	116	%	EPA 525.2m	-88	-88	14	175	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Merphos	n/a	=	0.0652	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Merphos	n/a	=	130	%	EPA 525.2m	-88	-88	3	210	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Merphos	n/a	=	0.0708	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Merphos	n/a	=	142	%	EPA 525.2m	-88	-88	3	210	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Merphos	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Merphos	n/a	=	0.0738	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Merphos	n/a	=	148	%	EPA 525.2m	-88	-88	28	181	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Methyl parathion	n/a	=	0.0745	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Methyl parathion	n/a	=	149	%	EPA 525.2m	-88	-88	0.1	249	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Methyl parathion	n/a	=	0.0726	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Methyl parathion	n/a	=	145	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Methyl parathion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Methyl parathion	n/a	=	0.0602	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Methyl parathion	n/a	=	120	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Metolachlor	n/a	=	5.09	µg/L	EPA 525.2	0.012	0.1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Metolachlor	n/a	=	102	%	EPA 525.2	-88	-88	61	123	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Metolachlor	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Metolachlor	n/a	=	4.86	µg/L	EPA 525.2	0.012	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Metolachlor	n/a	=	97	%	EPA 525.2	-88	-88	61	123	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Metribuzin	n/a	=	5.08	µg/L	EPA 525.2	0.015	0.1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Metribuzin	n/a	=	102	%	EPA 525.2	-88	-88	50	121	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Metribuzin	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Metribuzin	n/a	=	5.16	µg/L	EPA 525.2	0.015	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Metribuzin	n/a	=	103	%	EPA 525.2	-88	-88	50	121	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Mevinphos	n/a	=	0.0575	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Mevinphos	n/a	=	115	%	EPA 525.2m	-88	-88	25	189	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Mevinphos	n/a	=	0.0615	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Mevinphos	n/a	=	123	%	EPA 525.2m	-88	-88	25	189	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Mevinphos	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Mevinphos	n/a	=	0.0583	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Mevinphos	n/a	=	117	%	EPA 525.2m	-88	-88	14	202	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Molinate	n/a	=	5.42	µg/L	EPA 525.2	0.039	0.1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Molinate	n/a	=	108	%	EPA 525.2	-88	-88	82	117	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Molinate	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Molinate	n/a	=	5.39	µg/L	EPA 525.2	0.039	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Molinate	n/a	=	108	%	EPA 525.2	-88	-88	82	117	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Naled	n/a	=	0.0656	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Naled	n/a	=	131	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Naled	n/a	=	0.0627	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Naled	n/a	=	125	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Naled	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Naled	n/a	=	0.0483	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Naled	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	240	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Pentachlorophenol	n/a	=	3.68	µg/L	EPA 515.3	0.04	0.2			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Pentachlorophenol	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Pentachlorophenol	n/a	=	3.65	µg/L	EPA 515.3	0.04	0.2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Pentachlorophenol	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Pentachlorophenol	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Pentachlorophenol	n/a	=	3.58	µg/L	EPA 515.3	0.04	0.2			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Pentachlorophenol	n/a	=	90	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Pentachlorophenol	n/a	=	3.61	µg/L	EPA 515.3	0.04	0.2			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Pentachlorophenol	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Pentachlorophenol	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Pentachlorophenol	n/a	=	3.55	µg/L	EPA 515.3	0.04	0.2			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Pentachlorophenol	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-4	Lab	method blank	4/17/2015	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS	4/17/2015	Pesticide	Pentachlorophenol	n/a	=	19.4	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS, rec	4/17/2015	Pesticide	Pentachlorophenol	n/a	=	78	%	EPA 625	-88	-88	14	176	
2014/15-4	Lab	LCS dup	4/17/2015	Pesticide	Pentachlorophenol	n/a	=	20.5	µg/L	EPA 625	0.19	1			
2014/15-4	Lab	LCS dup, rec	4/17/2015	Pesticide	Pentachlorophenol	n/a	=	82	%	EPA 625	-88	-88	14	176	
2014/15-4	Lab	LCS, RPD	4/17/2015	Pesticide	Pentachlorophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-4	Lab	method blank	4/28/2015	Pesticide	Pentachlorophenol	n/a	DNQ	0.48	µg/L	EPA 8270Cm	0.15	1			
2014/15-4	Lab	LCS	4/28/2015	Pesticide	Pentachlorophenol	n/a	=	8.5	µg/L	EPA 8270Cm	0.15	1			
2014/15-4	Lab	LCS, rec	4/28/2015	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 8270Cm	-88	-88	29	106	
2014/15-4	Lab	LCS dup	4/29/2015	Pesticide	Pentachlorophenol	n/a	=	7.93	µg/L	EPA 8270Cm	0.15	1			
2014/15-4	Lab	LCS dup, rec	4/29/2015	Pesticide	Pentachlorophenol	n/a	=	79	%	EPA 8270Cm	-88	-88	29	106	
2014/15-4	Lab	LCS, RPD	4/29/2015	Pesticide	Pentachlorophenol	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Phorate	n/a	=	0.0548	µg/L	EPA 525.2m	0.003	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Phorate	n/a	=	110	%	EPA 525.2m	-88	-88	31	181	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Phorate	n/a	=	0.0523	µg/L	EPA 525.2m	0.003	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Phorate	n/a	=	105	%	EPA 525.2m	-88	-88	31	181	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Phorate	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Phorate	n/a	=	0.0479	µg/L	EPA 525.2m	0.003	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Phorate	n/a	=	96	%	EPA 525.2m	-88	-88	26	180	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Picloram	n/a	=	3.98	µg/L	EPA 515.3	0.05	0.6			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Picloram	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Picloram	n/a	=	3.89	µg/L	EPA 515.3	0.05	0.6			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Picloram	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Picloram	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Picloram	n/a	=	3.31	µg/L	EPA 515.3	0.05	0.6			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Picloram	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Picloram	n/a	=	3.28	µg/L	EPA 515.3	0.05	0.6			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Picloram	n/a	=	82	%	EPA 515.3	-88	-88	70	130	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Picloram	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Picloram	n/a	=	3.75	µg/L	EPA 515.3	0.05	0.6			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Picloram	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Prometon	n/a	=	1.89	µg/L	EPA 525.2	0.024	0.2			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Prometon	n/a	=	38	%	EPA 525.2	-88	-88	17	101	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Prometon	n/a	=	45	%	EPA 525.2	-88	-88	0	30	IL
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Prometon	n/a	=	1.2	µg/L	EPA 525.2	0.024	0.2			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Prometon	n/a	=	24	%	EPA 525.2	-88	-88	17	101	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Prometryn	n/a	=	4.32	µg/L	EPA 525.2	0.036	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Prometryn	n/a	=	86	%	EPA 525.2	-88	-88	57	122	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Prometryn	n/a	=	17	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Prometryn	n/a	=	3.66	µg/L	EPA 525.2	0.036	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Prometryn	n/a	=	73	%	EPA 525.2	-88	-88	57	122	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.062	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	124	%	EPA 525.2m	-88	-88	29	153	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0616	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	123	%	EPA 525.2m	-88	-88	29	153	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.6	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Ronnel (Fenclorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0534	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	107	%	EPA 525.2m	-88	-88	34	154	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Simazine	n/a	=	5.24	µg/L	EPA 525.2	0.015	0.1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Simazine	n/a	=	105	%	EPA 525.2	-88	-88	53	116	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Simazine	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Simazine	n/a	=	4.87	µg/L	EPA 525.2	0.015	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Simazine	n/a	=	97	%	EPA 525.2	-88	-88	53	116	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0587	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	117	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0609	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	122	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0595	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	119	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Terbacil	n/a	=	4.64	µg/L	EPA 525.2	0.55	2			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Terbacil	n/a	=	93	%	EPA 525.2	-88	-88	70	135	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Terbacil	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Terbacil	n/a	=	4.79	µg/L	EPA 525.2	0.55	2			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Terbacil	n/a	=	96	%	EPA 525.2	-88	-88	70	135	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Thiobencarb	n/a	=	4.92	µg/L	EPA 525.2	0.025	0.2			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Thiobencarb	n/a	=	98	%	EPA 525.2	-88	-88	56	125	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Thiobencarb	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Thiobencarb	n/a	=	4.72	µg/L	EPA 525.2	0.025	0.2			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Thiobencarb	n/a	=	94	%	EPA 525.2	-88	-88	56	125	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Tokuthion	n/a	=	0.0362	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Tokuthion	n/a	=	72	%	EPA 525.2m	-88	-88	27	160	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Tokuthion	n/a	=	0.0401	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Tokuthion	n/a	=	80	%	EPA 525.2m	-88	-88	27	160	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Tokuthion	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Tokuthion	n/a	=	0.0406	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Tokuthion	n/a	=	81	%	EPA 525.2m	-88	-88	23	159	
2014/15-4	Lab	method blank	4/14/2015	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-4	000NONPJ	matrix spike	4/15/2015	Pesticide	Trichloronate	n/a	=	0.0573	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-4	000NONPJ	matrix spike, rec	4/15/2015	Pesticide	Trichloronate	n/a	=	115	%	EPA 525.2m	-88	-88	40	150	
2014/15-4	000NONPJ	matrix spike dup	4/15/2015	Pesticide	Trichloronate	n/a	=	0.0571	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-4	000NONPJ	matrix spike dup, rec	4/15/2015	Pesticide	Trichloronate	n/a	=	114	%	EPA 525.2m	-88	-88	40	150	
2014/15-4	000NONPJ	matrix spike, RPD	4/15/2015	Pesticide	Trichloronate	n/a	=	0.3	%	EPA 525.2m	-88	-88	0	30	
2014/15-4	Lab	method blank	4/15/2015	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-4	Lab	LCS	4/15/2015	Pesticide	Trichloronate	n/a	=	0.0465	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-4	Lab	LCS, rec	4/15/2015	Pesticide	Trichloronate	n/a	=	93	%	EPA 525.2m	-88	-88	34	153	
2014/15-4	Lab	method blank	4/16/2015	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-4	Lab	LCS dup	4/16/2015	Pesticide	Trithion	n/a	=	4.7	µg/L	EPA 525.2	0.012	0.1			
2014/15-4	Lab	LCS dup, rec	4/16/2015	Pesticide	Trithion	n/a	=	94	%	EPA 525.2	-88	-88	60	124	
2014/15-4	Lab	LCS, RPD	4/16/2015	Pesticide	Trithion	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-4	Lab	LCS	4/16/2015	Pesticide	Trithion	n/a	=	4.97	µg/L	EPA 525.2	0.012	0.1			
2014/15-4	Lab	LCS, rec	4/16/2015	Pesticide	Trithion	n/a	=	99	%	EPA 525.2	-88	-88	60	124	
2014/15-5	000NONPJ	matrix spike	5/19/2015	Anion	Chloride	n/a	=	7.39	mg/L	EPA 300.0	0.1	0.5			
2014/15-5	000NONPJ	matrix spike, rec	5/19/2015	Anion	Chloride	n/a	=	92	%	EPA 300.0	-88	-88	76	118	
2014/15-5	000NONPJ	matrix spike dup	5/19/2015	Anion	Chloride	n/a	=	7.47	mg/L	EPA 300.0	0.1	0.5			
2014/15-5	000NONPJ	matrix spike dup, rec	5/19/2015	Anion	Chloride	n/a	=	94	%	EPA 300.0	-88	-88	76	118	
2014/15-5	000NONPJ	matrix spike, RPD	5/19/2015	Anion	Chloride	n/a	=	1	%	EPA 300.0	-88	-88	0	20	
2014/15-5	000NONPJ	matrix spike	5/20/2015	Anion	Chloride	n/a	=	53.3	mg/L	EPA 300.0	1	5			
2014/15-5	000NONPJ	matrix spike, rec	5/20/2015	Anion	Chloride	n/a	=	93	%	EPA 300.0	-88	-88	76	118	
2014/15-5	000NONPJ	matrix spike dup	5/20/2015	Anion	Chloride	n/a	=	52	mg/L	EPA 300.0	1	5			
2014/15-5	000NONPJ	matrix spike dup, rec	5/20/2015	Anion	Chloride	n/a	=	90	%	EPA 300.0	-88	-88	76	118	
2014/15-5	000NONPJ	matrix spike, RPD	5/20/2015	Anion	Chloride	n/a	=	3	%	EPA 300.0	-88	-88	0	20	
2014/15-5	000NONPJ	matrix spike	5/20/2015	Anion	Chloride	n/a	=	178	mg/L	EPA 300.0	2.5	12			
2014/15-5	000NONPJ	matrix spike, rec	5/20/2015	Anion	Chloride	n/a	=	92	%	EPA 300.0	-88	-88	76	118	
2014/15-5	000NONPJ	matrix spike dup	5/20/2015	Anion	Chloride	n/a	=	178	mg/L	EPA 300.0	2.5	12			
2014/15-5	000NONPJ	matrix spike dup, rec	5/20/2015	Anion	Chloride	n/a	=	92	%	EPA 300.0	-88	-88	76	118	
2014/15-5	000NONPJ	matrix spike, RPD	5/20/2015	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2014/15-5	Lab	method blank	5/19/2015	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2014/15-5	Lab	LCS	5/19/2015	Anion	Chloride	n/a	=	3.84	mg/L	EPA 300.0	0.1	0.5			
2014/15-5	Lab	LCS, rec	5/19/2015	Anion	Chloride	n/a	=	96	%	EPA 300.0	-88	-88	90	110	
2014/15-5	Lab	method blank	5/20/2015	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2014/15-5	Lab	LCS	5/20/2015	Anion	Chloride	n/a	=	4.11	mg/L	EPA 300.0	0.1	0.5			
2014/15-5	Lab	LCS, rec	5/20/2015	Anion	Chloride	n/a	=	103	%	EPA 300.0	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike	5/19/2015	Anion	Chloride	n/a	=	158	mg/L	EPA 300.0	1	5			
2014/15-5	ME-SCR	matrix spike, rec	5/19/2015	Anion	Chloride	n/a	=	104	%	EPA 300.0	-88	-88	76	118	
2014/15-5	ME-SCR	matrix spike dup	5/19/2015	Anion	Chloride	n/a	=	157	mg/L	EPA 300.0	1	5			
2014/15-5	ME-SCR	matrix spike dup, rec	5/19/2015	Anion	Chloride	n/a	=	102	%	EPA 300.0	-88	-88	76	118	
2014/15-5	ME-SCR	matrix spike, RPD	5/19/2015	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2014/15-5	000NONPJ	matrix spike	5/19/2015	Anion	Fluoride	n/a	=	2.83	mg/L	EPA 300.0	0.02	0.1			
2014/15-5	000NONPJ	matrix spike, rec	5/19/2015	Anion	Fluoride	n/a	=	103	%	EPA 300.0	-88	-88	86	107	
2014/15-5	000NONPJ	matrix spike dup	5/19/2015	Anion	Fluoride	n/a	=	2.88	mg/L	EPA 300.0	0.02	0.1			
2014/15-5	000NONPJ	matrix spike dup, rec	5/19/2015	Anion	Fluoride	n/a	=	105	%	EPA 300.0	-88	-88	86	107	
2014/15-5	000NONPJ	matrix spike, RPD	5/19/2015	Anion	Fluoride	n/a	=	2	%	EPA 300.0	-88	-88	0	20	
2014/15-5	000NONPJ	matrix spike	5/20/2015	Anion	Fluoride	n/a	=	19.5	mg/L	EPA 300.0	0.2	1			
2014/15-5	000NONPJ	matrix spike, rec	5/20/2015	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	000NONPJ	matrix spike dup	5/20/2015	Anion	Fluoride	n/a	=	19.4	mg/L	EPA 300.0	0.2	1			
2014/15-5	000NONPJ	matrix spike dup, rec	5/20/2015	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2014/15-5	000NONPJ	matrix spike, RPD	5/20/2015	Anion	Fluoride	n/a	=	0.4	%	EPA 300.0	-88	-88	0	20	
2014/15-5	000NONPJ	matrix spike	5/20/2015	Anion	Fluoride	n/a	=	49.1	mg/L	EPA 300.0	0.5	2.5			
2014/15-5	000NONPJ	matrix spike, rec	5/20/2015	Anion	Fluoride	n/a	=	97	%	EPA 300.0	-88	-88	86	107	
2014/15-5	000NONPJ	matrix spike dup	5/20/2015	Anion	Fluoride	n/a	=	49.3	mg/L	EPA 300.0	0.5	2.5			
2014/15-5	000NONPJ	matrix spike dup, rec	5/20/2015	Anion	Fluoride	n/a	=	97	%	EPA 300.0	-88	-88	86	107	
2014/15-5	000NONPJ	matrix spike, RPD	5/20/2015	Anion	Fluoride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2014/15-5	Lab	method blank	5/19/2015	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2014/15-5	Lab	LCS	5/19/2015	Anion	Fluoride	n/a	=	1.89	mg/L	EPA 300.0	0.02	0.1			
2014/15-5	Lab	LCS, rec	5/19/2015	Anion	Fluoride	n/a	=	94	%	EPA 300.0	-88	-88	90	110	
2014/15-5	Lab	method blank	5/20/2015	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2014/15-5	Lab	LCS	5/20/2015	Anion	Fluoride	n/a	=	1.97	mg/L	EPA 300.0	0.02	0.1			
2014/15-5	Lab	LCS, rec	5/20/2015	Anion	Fluoride	n/a	=	99	%	EPA 300.0	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike	5/19/2015	Anion	Fluoride	n/a	=	19.5	mg/L	EPA 300.0	0.2	1			
2014/15-5	ME-SCR	matrix spike, rec	5/19/2015	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2014/15-5	ME-SCR	matrix spike dup	5/19/2015	Anion	Fluoride	n/a	=	19.2	mg/L	EPA 300.0	0.2	1			
2014/15-5	ME-SCR	matrix spike dup, rec	5/19/2015	Anion	Fluoride	n/a	=	94	%	EPA 300.0	-88	-88	86	107	
2014/15-5	ME-SCR	matrix spike, RPD	5/19/2015	Anion	Fluoride	n/a	=	2	%	EPA 300.0	-88	-88	0	20	
2014/15-5	000NONPJ	matrix spike	5/21/2015	Anion	Perchlorate	n/a	=	9.34	µg/L	EPA 314.0	0.95	2			
2014/15-5	000NONPJ	matrix spike, rec	5/21/2015	Anion	Perchlorate	n/a	=	93	%	EPA 314.0	-88	-88	80	120	
2014/15-5	000NONPJ	matrix spike dup	5/21/2015	Anion	Perchlorate	n/a	=	10	µg/L	EPA 314.0	0.95	2			
2014/15-5	000NONPJ	matrix spike dup, rec	5/21/2015	Anion	Perchlorate	n/a	=	100	%	EPA 314.0	-88	-88	80	120	
2014/15-5	000NONPJ	matrix spike, RPD	5/21/2015	Anion	Perchlorate	n/a	=	7	%	EPA 314.0	-88	-88	0	15	
2014/15-5	000NONPJ	matrix spike	5/22/2015	Anion	Perchlorate	n/a	=	12.3	µg/L	EPA 314.0	0.95	2			
2014/15-5	000NONPJ	matrix spike, rec	5/22/2015	Anion	Perchlorate	n/a	=	101	%	EPA 314.0	-88	-88	80	120	
2014/15-5	000NONPJ	matrix spike dup	5/22/2015	Anion	Perchlorate	n/a	=	12	µg/L	EPA 314.0	0.95	2			
2014/15-5	000NONPJ	matrix spike dup, rec	5/22/2015	Anion	Perchlorate	n/a	=	98	%	EPA 314.0	-88	-88	80	120	
2014/15-5	000NONPJ	matrix spike, RPD	5/22/2015	Anion	Perchlorate	n/a	=	3	%	EPA 314.0	-88	-88	0	15	
2014/15-5	Lab	method blank	5/19/2015	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-5	Lab	LCS	5/19/2015	Anion	Perchlorate	n/a	=	9.38	µg/L	EPA 314.0	0.95	2			
2014/15-5	Lab	LCS, rec	5/19/2015	Anion	Perchlorate	n/a	=	94	%	EPA 314.0	-88	-88	85	115	
2014/15-5	Lab	method blank	5/21/2015	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-5	Lab	LCS	5/21/2015	Anion	Perchlorate	n/a	=	10	µg/L	EPA 314.0	0.95	2			
2014/15-5	Lab	LCS, rec	5/21/2015	Anion	Perchlorate	n/a	=	100	%	EPA 314.0	-88	-88	85	115	
2014/15-5	Lab	method blank	5/22/2015	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-5	Lab	LCS	5/22/2015	Anion	Perchlorate	n/a	=	9.29	µg/L	EPA 314.0	0.95	2			
2014/15-5	Lab	LCS, rec	5/22/2015	Anion	Perchlorate	n/a	=	93	%	EPA 314.0	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/19/2015	Anion	Perchlorate	n/a	=	21.7	µg/L	EPA 314.0	1.9	4			
2014/15-5	ME-SCR	matrix spike, rec	5/19/2015	Anion	Perchlorate	n/a	=	108	%	EPA 314.0	-88	-88	80	120	
2014/15-5	ME-SCR	matrix spike dup	5/19/2015	Anion	Perchlorate	n/a	=	21.2	µg/L	EPA 314.0	1.9	4			
2014/15-5	ME-SCR	matrix spike dup, rec	5/19/2015	Anion	Perchlorate	n/a	=	106	%	EPA 314.0	-88	-88	80	120	
2014/15-5	ME-SCR	matrix spike, RPD	5/19/2015	Anion	Perchlorate	n/a	=	2	%	EPA 314.0	-88	-88	0	15	
2014/15-5	Lab	method blank	5/26/2015	Cation	Calcium	Total	DNQ	0.0191	mg/L	EPA 200.7	0.016	0.1			IP
2014/15-5	Lab	LCS	5/26/2015	Cation	Calcium	Total	=	51.5	mg/L	EPA 200.7	0.016	0.1			
2014/15-5	Lab	LCS, rec	5/26/2015	Cation	Calcium	Total	=	103	%	EPA 200.7	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/26/2015	Cation	Calcium	Total	=	243	mg/L	EPA 200.7	0.016	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	ME-SCR	matrix spike, rec	5/26/2015	Cation	Calcium	Total	=	111	%	EPA 200.7	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/26/2015	Cation	Calcium	Total	=	238	mg/L	EPA 200.7	0.016	0.1			
2014/15-5	ME-SCR	matrix spike dup, rec	5/26/2015	Cation	Calcium	Total	=	102	%	EPA 200.7	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/26/2015	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-5	ME-VR2	matrix spike	5/26/2015	Cation	Calcium	Total	=	189	mg/L	EPA 200.7	0.016	0.1			
2014/15-5	ME-VR2	matrix spike, rec	5/26/2015	Cation	Calcium	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2014/15-5	ME-VR2	matrix spike dup	5/26/2015	Cation	Calcium	Total	=	194	mg/L	EPA 200.7	0.016	0.1			
2014/15-5	ME-VR2	matrix spike dup, rec	5/26/2015	Cation	Calcium	Total	=	116	%	EPA 200.7	-88	-88	70	130	
2014/15-5	ME-VR2	matrix spike, RPD	5/26/2015	Cation	Calcium	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2014/15-5	Lab	method blank	5/26/2015	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2014/15-5	Lab	LCS	5/26/2015	Cation	Magnesium	Total	=	50	mg/L	EPA 200.7	0.012	0.1			
2014/15-5	Lab	LCS, rec	5/26/2015	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/26/2015	Cation	Magnesium	Total	=	144	mg/L	EPA 200.7	0.012	0.1			
2014/15-5	ME-SCR	matrix spike, rec	5/26/2015	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/26/2015	Cation	Magnesium	Total	=	143	mg/L	EPA 200.7	0.012	0.1			
2014/15-5	ME-SCR	matrix spike dup, rec	5/26/2015	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/26/2015	Cation	Magnesium	Total	=	0.9	%	EPA 200.7	-88	-88	0	30	
2014/15-5	ME-VR2	matrix spike	5/26/2015	Cation	Magnesium	Total	=	85.9	mg/L	EPA 200.7	0.012	0.1			
2014/15-5	ME-VR2	matrix spike, rec	5/26/2015	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2014/15-5	ME-VR2	matrix spike dup	5/26/2015	Cation	Magnesium	Total	=	87.5	mg/L	EPA 200.7	0.012	0.1			
2014/15-5	ME-VR2	matrix spike dup, rec	5/26/2015	Cation	Magnesium	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2014/15-5	ME-VR2	matrix spike, RPD	5/26/2015	Cation	Magnesium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-5	Lab	LCS	5/22/2015	Conventional	Alkalinity as CaCO3	n/a	=	256	mg/L	SM 2320 B	0.56	2			
2014/15-5	Lab	LCS, rec	5/22/2015	Conventional	Alkalinity as CaCO3	n/a	=	102	%	SM 2320 B	-88	-88	94	108	
2014/15-5	Lab	method blank	5/22/2015	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.41	mg/L	SM 2320 B	0.56	2			IP
2014/15-5	ME-SCR	lab duplicate	5/22/2015	Conventional	Alkalinity as CaCO3	n/a	=	197	mg/L	SM 2320 B	0.56	2		15	
2014/15-5	000NONPJ	lab duplicate	5/20/2015	Conventional	BOD	n/a	=	3.94	mg/L	SM 5210 B	2	2		20	
2014/15-5	Lab	LCS	5/20/2015	Conventional	BOD	n/a	=	174	mg/L	SM 5210 B	2	2			
2014/15-5	Lab	LCS	5/20/2015	Conventional	BOD	n/a	=	178	mg/L	SM 5210 B	2	2			
2014/15-5	Lab	LCS, rec	5/20/2015	Conventional	BOD	n/a	=	90	%	SM 5210 B	-88	-88	85	115	
2014/15-5	Lab	LCS, rec	5/20/2015	Conventional	BOD	n/a	=	88	%	SM 5210 B	-88	-88	85	115	
2014/15-5	ME-SCR	lab duplicate	5/20/2015	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2		20	
2014/15-5	000NONPJ	lab duplicate	5/20/2015	Conventional	COD	n/a	=	674	mg/L	EPA 410.4	2.9	20		15	
2014/15-5	000NONPJ	matrix spike	5/20/2015	Conventional	COD	n/a	=	2630	mg/L	EPA 410.4	1.5	10			
2014/15-5	000NONPJ	matrix spike dup	5/20/2015	Conventional	COD	n/a	=	2620	mg/L	EPA 410.4	1.5	10			
2014/15-5	000NONPJ	matrix spike dup, rec	5/20/2015	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike, rec	5/20/2015	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike, RPD	5/20/2015	Conventional	COD	n/a	=	0.3	%	EPA 410.4	-88	-88	0	15	
2014/15-5	Lab	LCS	5/20/2015	Conventional	COD	n/a	=	101	mg/L	EPA 410.4	0.73	5			
2014/15-5	Lab	LCS, rec	5/20/2015	Conventional	COD	n/a	=	101	%	EPA 410.4	-88	-88	90	110	
2014/15-5	Lab	method blank	5/20/2015	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2014/15-5	ME-SCR	matrix spike	5/20/2015	Conventional	COD	n/a	=	209	mg/L	EPA 410.4	1.5	10			
2014/15-5	ME-SCR	matrix spike dup	5/20/2015	Conventional	COD	n/a	=	212	mg/L	EPA 410.4	1.5	10			
2014/15-5	ME-SCR	matrix spike dup, rec	5/20/2015	Conventional	COD	n/a	=	101	%	EPA 410.4	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike, rec	5/20/2015	Conventional	COD	n/a	=	99	%	EPA 410.4	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike, RPD	5/20/2015	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2014/15-5	000NONPJ	matrix spike	5/20/2015	Conventional	Cyanide	Total	=	0.0728	mg/L	ASTM D7511	0.0005	0.002			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	000NONPJ	matrix spike dup	5/20/2015	Conventional	Cyanide	Total	=	0.0748	mg/L	ASTM D7511	0.00048	0.002			
2014/15-5	000NONPJ	matrix spike dup, rec	5/20/2015	Conventional	Cyanide	Total	=	98	%	ASTM D7511	-88	-88	64	136	
2014/15-5	000NONPJ	matrix spike, rec	5/20/2015	Conventional	Cyanide	Total	=	94	%	ASTM D7511	-88	-88	64	136	
2014/15-5	000NONPJ	matrix spike, RPD	5/20/2015	Conventional	Cyanide	Total	=	3	%	ASTM D7511	-88	-88	0	47	
2014/15-5	Lab	LCS	5/20/2015	Conventional	Cyanide	Total	=	0.0473	mg/L	ASTM D7511	0.00048	0.002			
2014/15-5	Lab	LCS, rec	5/20/2015	Conventional	Cyanide	Total	=	95	%	ASTM D7511	-88	-88	84	116	
2014/15-5	Lab	method blank	5/20/2015	Conventional	Cyanide	Total	<	0.00048	mg/L	ASTM D7511	0.00048	0.002			
2014/15-5	ME-SCR	matrix spike	5/20/2015	Conventional	Cyanide	Total	=	0.0495	mg/L	ASTM D7511	0.00048	0.002			
2014/15-5	ME-SCR	matrix spike dup	5/20/2015	Conventional	Cyanide	Total	=	0.0506	mg/L	ASTM D7511	0.00048	0.002			
2014/15-5	ME-SCR	matrix spike dup, rec	5/20/2015	Conventional	Cyanide	Total	=	101	%	ASTM D7511	-88	-88	64	136	
2014/15-5	ME-SCR	matrix spike, rec	5/20/2015	Conventional	Cyanide	Total	=	99	%	ASTM D7511	-88	-88	64	136	
2014/15-5	ME-SCR	matrix spike, RPD	5/20/2015	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2014/15-5	Lab	LCS	5/15/2015	Conventional	MBAS	n/a	=	0.212	mg/L	SM 5540 C	0.019	0.05			
2014/15-5	Lab	LCS, rec	5/15/2015	Conventional	MBAS	n/a	=	106	%	SM 5540 C	-88	-88	82	115	
2014/15-5	Lab	method blank	5/15/2015	Conventional	MBAS	n/a	DNQ	0.0203	mg/L	SM 5540 C	0.019	0.05			IP
2014/15-5	ME-SCR	matrix spike	5/15/2015	Conventional	MBAS	n/a	=	0.285	mg/L	SM 5540 C	0.019	0.05			
2014/15-5	ME-SCR	matrix spike dup	5/15/2015	Conventional	MBAS	n/a	=	0.28	mg/L	SM 5540 C	0.019	0.05			
2014/15-5	ME-SCR	matrix spike dup, rec	5/15/2015	Conventional	MBAS	n/a	=	96	%	SM 5540 C	-88	-88	74	123	
2014/15-5	ME-SCR	matrix spike, rec	5/15/2015	Conventional	MBAS	n/a	=	99	%	SM 5540 C	-88	-88	74	123	
2014/15-5	ME-SCR	matrix spike, RPD	5/15/2015	Conventional	MBAS	n/a	=	2	%	SM 5540 C	-88	-88	0	20	
2014/15-5	000NONPJ	matrix spike	6/3/2015	Conventional	Phenolics	n/a	=	0.264	mg/L	EPA 420.4	0.0042	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/3/2015	Conventional	Phenolics	n/a	=	103	%	EPA 420.4	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike dup	6/3/2015	Conventional	Phenolics	n/a	=	0.267	mg/L	EPA 420.4	0.0042	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/3/2015	Conventional	Phenolics	n/a	=	104	%	EPA 420.4	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike, RPD	6/3/2015	Conventional	Phenolics	n/a	=	1	%	EPA 420.4	-88	-88	0	20	
2014/15-5	Lab	LCS	5/26/2015	Conventional	Phenolics	n/a	=	0.0987	mg/L	EPA 420.4	0.0042	0.01			
2014/15-5	Lab	LCS, rec	5/26/2015	Conventional	Phenolics	n/a	=	99	%	EPA 420.4	-88	-88	90	110	
2014/15-5	Lab	method blank	5/26/2015	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2014/15-5	Lab	method blank	6/3/2015	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2014/15-5	Lab	LCS	6/3/2015	Conventional	Phenolics	n/a	=	0.102	mg/L	EPA 420.4	0.0042	0.01			
2014/15-5	Lab	LCS, rec	6/3/2015	Conventional	Phenolics	n/a	=	102	%	EPA 420.4	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike	5/26/2015	Conventional	Phenolics	n/a	=	0.25	mg/L	EPA 420.4	0.0042	0.01			GB
2014/15-5	ME-SCR	matrix spike, rec	5/26/2015	Conventional	Phenolics	n/a	=	89	%	EPA 420.4	-88	-88	90	110	GB
2014/15-5	ME-SCR	matrix spike dup	5/26/2015	Conventional	Phenolics	n/a	=	0.244	mg/L	EPA 420.4	0.0042	0.01			GB
2014/15-5	ME-SCR	matrix spike dup, rec	5/26/2015	Conventional	Phenolics	n/a	=	86	%	EPA 420.4	-88	-88	90	110	GB
2014/15-5	ME-SCR	matrix spike, RPD	5/26/2015	Conventional	Phenolics	n/a	=	2	%	EPA 420.4	-88	-88	0	20	
2014/15-5	MO-FIL	matrix spike	6/3/2015	Conventional	Phenolics	n/a	=	0.28	mg/L	EPA 420.4	0.0042	0.01			
2014/15-5	MO-FIL	matrix spike, rec	6/3/2015	Conventional	Phenolics	n/a	=	96	%	EPA 420.4	-88	-88	90	110	
2014/15-5	MO-FIL	matrix spike dup	6/3/2015	Conventional	Phenolics	n/a	=	0.281	mg/L	EPA 420.4	0.0042	0.01			
2014/15-5	MO-FIL	matrix spike dup, rec	6/3/2015	Conventional	Phenolics	n/a	=	97	%	EPA 420.4	-88	-88	90	110	
2014/15-5	MO-FIL	matrix spike, RPD	6/3/2015	Conventional	Phenolics	n/a	=	0.7	%	EPA 420.4	-88	-88	0	20	
2014/15-5	Lab	LCS	5/26/2015	Conventional	Specific Conductance	n/a	=	208	µmhos/cm	SM 2510 B	0.23	2			
2014/15-5	Lab	LCS, rec	5/26/2015	Conventional	Specific Conductance	n/a	=	104	%	SM 2510 B	-88	-88	95	105	
2014/15-5	Lab	method blank	5/26/2015	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2014/15-5	ME-SCR	lab duplicate	5/26/2015	Conventional	Specific Conductance	n/a	=	2300	µmhos/cm	SM 2510 B	0.47	4		4.28	
2014/15-5	Lab	LCS	5/15/2015	Conventional	Total Chlorine Residual	n/a	=	0.214	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-5	Lab	LCS, rec	5/15/2015	Conventional	Total Chlorine Residual	n/a	=	107	%	SM 4500-Cl G	-88	-88	85	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	method blank	5/15/2015	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-5	ME-CC	matrix spike	5/15/2015	Conventional	Total Chlorine Residual	n/a	=	0.255	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-5	ME-CC	matrix spike dup	5/15/2015	Conventional	Total Chlorine Residual	n/a	=	0.243	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-5	ME-CC	matrix spike dup, rec	5/15/2015	Conventional	Total Chlorine Residual	n/a	=	102	%	SM 4500-Cl G	-88	-88	78	114	
2014/15-5	ME-CC	matrix spike, rec	5/15/2015	Conventional	Total Chlorine Residual	n/a	=	108	%	SM 4500-Cl G	-88	-88	78	114	
2014/15-5	ME-CC	matrix spike, RPD	5/15/2015	Conventional	Total Chlorine Residual	n/a	=	5	%	SM 4500-Cl G	-88	-88	0	15	
2014/15-5	000NONPJ	lab duplicate	5/19/2015	Conventional	Total Dissolved Solids	n/a	=	3160	mg/L	SM 2540 C	4	10		10	
2014/15-5	000NONPJ	lab duplicate	5/21/2015	Conventional	Total Dissolved Solids	n/a	=	1300	mg/L	SM 2540 C	4	10		10	
2014/15-5	000NONPJ	lab duplicate	5/21/2015	Conventional	Total Dissolved Solids	n/a	=	11800	mg/L	SM 2540 C	4	10		10	
2014/15-5	Lab	LCS	5/19/2015	Conventional	Total Dissolved Solids	n/a	=	814	mg/L	SM 2540 C	4	10			
2014/15-5	Lab	LCS, rec	5/19/2015	Conventional	Total Dissolved Solids	n/a	=	99	%	SM 2540 C	-88	-88	96	102	
2014/15-5	Lab	method blank	5/19/2015	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2014/15-5	Lab	LCS	5/21/2015	Conventional	Total Dissolved Solids	n/a	=	831	mg/L	SM 2540 C	4	10			
2014/15-5	Lab	LCS, rec	5/21/2015	Conventional	Total Dissolved Solids	n/a	=	101	%	SM 2540 C	-88	-88	96	102	
2014/15-5	Lab	method blank	5/21/2015	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2014/15-5	ME-SCR	lab duplicate	5/19/2015	Conventional	Total Dissolved Solids	n/a	=	1580	mg/L	SM 2540 C	4	10		10	
2014/15-5	000NONPJ	matrix spike	6/1/2015	Conventional	Total Organic Carbon	n/a	=	63.1	mg/L	SM 5310 C	0.09	3			
2014/15-5	000NONPJ	matrix spike dup	6/1/2015	Conventional	Total Organic Carbon	n/a	=	63.5	mg/L	SM 5310 C	0.09	3			
2014/15-5	000NONPJ	matrix spike dup, rec	6/1/2015	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 C	-88	-88	80	116	
2014/15-5	000NONPJ	matrix spike, rec	6/1/2015	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 C	-88	-88	80	116	
2014/15-5	000NONPJ	matrix spike, RPD	6/1/2015	Conventional	Total Organic Carbon	n/a	=	0.6	%	SM 5310 C	-88	-88	0	20	
2014/15-5	Lab	LCS	6/1/2015	Conventional	Total Organic Carbon	n/a	=	4.81	mg/L	SM 5310 C	0.009	0.3			
2014/15-5	Lab	LCS, rec	6/1/2015	Conventional	Total Organic Carbon	n/a	=	96	%	SM 5310 C	-88	-88	85	115	
2014/15-5	Lab	method blank	6/1/2015	Conventional	Total Organic Carbon	n/a	DNQ	0.0713	mg/L	SM 5310 C	0.009	0.3			IP
2014/15-5	ME-SCR	matrix spike	6/1/2015	Conventional	Total Organic Carbon	n/a	=	23.8	mg/L	SM 5310 C	0.036	1.2			
2014/15-5	ME-SCR	matrix spike dup	6/1/2015	Conventional	Total Organic Carbon	n/a	=	24.4	mg/L	SM 5310 C	0.036	1.2			
2014/15-5	ME-SCR	matrix spike dup, rec	6/1/2015	Conventional	Total Organic Carbon	n/a	=	92	%	SM 5310 C	-88	-88	80	116	
2014/15-5	ME-SCR	matrix spike, rec	6/1/2015	Conventional	Total Organic Carbon	n/a	=	89	%	SM 5310 C	-88	-88	80	116	
2014/15-5	ME-SCR	matrix spike, RPD	6/1/2015	Conventional	Total Organic Carbon	n/a	=	2	%	SM 5310 C	-88	-88	0	20	
2014/15-5	000NONPJ	lab duplicate	5/20/2015	Conventional	Total Suspended Solids	n/a	=	50	mg/L	SM 2540 D	-88	5		20	
2014/15-5	Lab	method blank	5/20/2015	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2014/15-5	ME-SCR	lab duplicate	5/20/2015	Conventional	Total Suspended Solids	n/a	=	5	mg/L	SM 2540 D	-88	5		20	
2014/15-5	Lab	LCS	5/16/2015	Conventional	Turbidity	n/a	=	10.6	NTU	EPA 180.1	0.024	0.1			
2014/15-5	Lab	LCS, rec	5/16/2015	Conventional	Turbidity	n/a	=	106	%	EPA 180.1	-88	-88	90	110	
2014/15-5	Lab	method blank	5/16/2015	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2014/15-5	ME-SCR	lab duplicate	5/16/2015	Conventional	Turbidity	n/a	=	3.8	NTU	EPA 180.1	0.024	0.1		10	
2014/15-5	Lab	method blank	5/20/2015	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2014/15-5	ME-SCR	lab duplicate	5/20/2015	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5		15	
2014/15-5	Lab	method blank	5/20/2015	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-5	Lab	LCS	5/20/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.13	mg/L	EPA 8015B	0.044	0.1			
2014/15-5	Lab	LCS, rec	5/20/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	113	%	EPA 8015B	-88	-88	75	123	
2014/15-5	Lab	LCS dup	5/20/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.11	mg/L	EPA 8015B	0.044	0.1			
2014/15-5	Lab	LCS dup, rec	5/20/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	111	%	EPA 8015B	-88	-88	75	123	
2014/15-5	Lab	LCS, RPD	5/20/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	2	%	EPA 8015B	-88	-88	0	25	
2014/15-5	Lab	LCS	5/26/2015	Hydrocarbon	Oil and Grease	n/a	=	19.2	mg/L	EPA 1664A	1.3	5			
2014/15-5	Lab	LCS	5/26/2015	Hydrocarbon	Oil and Grease	n/a	DNQ	4.7	mg/L	EPA 1664A	1.3	5			
2014/15-5	Lab	LCS dup	5/26/2015	Hydrocarbon	Oil and Grease	n/a	=	18	mg/L	EPA 1664A	1.3	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS dup, rec	5/26/2015	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2014/15-5	Lab	LCS, rec	5/26/2015	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2014/15-5	Lab	LCS, rec	5/26/2015	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2014/15-5	Lab	LCS, RPD	5/26/2015	Hydrocarbon	Oil and Grease	n/a	=	6	%	EPA 1664A	-88	-88	0	18	
2014/15-5	Lab	method blank	5/26/2015	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2014/15-5	ME-CC	matrix spike	5/26/2015	Hydrocarbon	Oil and Grease	n/a	=	27.7	mg/L	EPA 1664A	1.3	5			
2014/15-5	ME-CC	matrix spike, rec	5/26/2015	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2014/15-5	Lab	method blank	5/27/2015	Metal	Aluminum	Dissolved	DNQ	1.58	µg/L	EPA 200.8	1.3	5			IP
2014/15-5	Lab	LCS	5/27/2015	Metal	Aluminum	Dissolved	=	50.9	µg/L	EPA 200.8	1.3	5			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Aluminum	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2014/15-5	Lab	LCS	5/27/2015	Metal	Aluminum	Total	=	50.9	µg/L	EPA 200.8	1.3	5			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Aluminum	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Aluminum	Total	=	143	µg/L	EPA 200.8	1.3	5			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Aluminum	Total	=	111	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Aluminum	Total	=	144	µg/L	EPA 200.8	1.3	5			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Aluminum	Total	=	113	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Aluminum	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Aluminum	Total	=	7820	µg/L	EPA 200.8	1.3	5			GB
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Aluminum	Total	=	868	%	EPA 200.8	-88	-88	70	130	GB
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Aluminum	Total	=	7560	µg/L	EPA 200.8	1.3	5			GB
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Aluminum	Total	=	356	%	EPA 200.8	-88	-88	70	130	GB
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Aluminum	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-5	Lab	method blank	5/27/2015	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2014/15-5	Lab	LCS	5/27/2015	Metal	Antimony	Dissolved	=	47.2	µg/L	EPA 200.8	0.045	0.5			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Antimony	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2014/15-5	Lab	LCS	5/27/2015	Metal	Antimony	Total	=	47.2	µg/L	EPA 200.8	0.045	0.5			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Antimony	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Antimony	Total	=	46.4	µg/L	EPA 200.8	0.045	0.5			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Antimony	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Antimony	Total	=	48.2	µg/L	EPA 200.8	0.045	0.5			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Antimony	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Antimony	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Antimony	Total	=	42	µg/L	EPA 200.8	0.045	0.5			
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Antimony	Total	=	77	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Antimony	Total	=	42.5	µg/L	EPA 200.8	0.045	0.5			
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Antimony	Total	=	78	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-5	Lab	method blank	5/27/2015	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2014/15-5	Lab	LCS	5/27/2015	Metal	Arsenic	Dissolved	=	50	µg/L	EPA 200.8	0.074	0.4			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Arsenic	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2014/15-5	Lab	LCS	5/27/2015	Metal	Arsenic	Total	=	50	µg/L	EPA 200.8	0.074	0.4			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Arsenic	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Arsenic	Total	=	49.8	µg/L	EPA 200.8	0.074	0.4			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Arsenic	Total	=	98	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Arsenic	Total	=	49.2	µg/L	EPA 200.8	0.074	0.4			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Arsenic	Total	=	50.5	µg/L	EPA 200.8	0.074	0.4			
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Arsenic	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Arsenic	Total	=	51.2	µg/L	EPA 200.8	0.074	0.4			
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Arsenic	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-5	Lab	method blank	5/27/2015	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2014/15-5	Lab	LCS	5/27/2015	Metal	Barium	Total	=	48.8	µg/L	EPA 200.8	0.071	0.5			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Barium	Total	=	81.9	µg/L	EPA 200.8	0.071	0.5			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Barium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Barium	Total	=	82.9	µg/L	EPA 200.8	0.071	0.5			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Barium	Total	=	260	µg/L	EPA 200.8	0.071	0.5			GB
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Barium	Total	=	153	%	EPA 200.8	-88	-88	70	130	GB
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Barium	Total	=	257	µg/L	EPA 200.8	0.071	0.5			GB
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Barium	Total	=	148	%	EPA 200.8	-88	-88	70	130	GB
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-5	Lab	method blank	5/27/2015	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2014/15-5	Lab	LCS	5/27/2015	Metal	Beryllium	Dissolved	=	48.8	µg/L	EPA 200.8	0.033	0.1			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Beryllium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2014/15-5	Lab	LCS	5/27/2015	Metal	Beryllium	Total	=	48.8	µg/L	EPA 200.8	0.033	0.1			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Beryllium	Total	=	48.4	µg/L	EPA 200.8	0.033	0.1			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Beryllium	Total	=	50	µg/L	EPA 200.8	0.033	0.1			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Beryllium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Beryllium	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Beryllium	Total	=	48.8	µg/L	EPA 200.8	0.033	0.1			
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Beryllium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Beryllium	Total	=	49.9	µg/L	EPA 200.8	0.033	0.1			
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Beryllium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Beryllium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-5	Lab	method blank	5/27/2015	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2014/15-5	Lab	LCS	5/27/2015	Metal	Cadmium	Dissolved	=	50.8	µg/L	EPA 200.8	0.041	0.1			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Cadmium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2014/15-5	Lab	LCS	5/27/2015	Metal	Cadmium	Total	=	50.8	µg/L	EPA 200.8	0.041	0.1			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Cadmium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Cadmium	Total	=	47.4	µg/L	EPA 200.8	0.041	0.1			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Cadmium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Cadmium	Total	=	46.9	µg/L	EPA 200.8	0.041	0.1			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Cadmium	Total	=	94	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Cadmium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Cadmium	Total	=	51.7	µg/L	EPA 200.8	0.041	0.1			
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Cadmium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Cadmium	Total	=	52.4	µg/L	EPA 200.8	0.041	0.1			
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Cadmium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Cadmium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-5	Lab	method blank	5/27/2015	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2014/15-5	Lab	LCS	5/27/2015	Metal	Chromium	Dissolved	=	51.7	µg/L	EPA 200.8	0.035	0.2			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Chromium	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2014/15-5	Lab	LCS	5/27/2015	Metal	Chromium	Total	=	51.7	µg/L	EPA 200.8	0.035	0.2			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Chromium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Chromium	Total	=	49.9	µg/L	EPA 200.8	0.035	0.2			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Chromium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Chromium	Total	=	49.7	µg/L	EPA 200.8	0.035	0.2			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Chromium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Chromium	Total	=	67.6	µg/L	EPA 200.8	0.035	0.2			
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Chromium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Chromium	Total	=	68	µg/L	EPA 200.8	0.035	0.2			
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Chromium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Chromium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	5/20/2015	Metal	Chromium VI	n/a	=	7.98	µg/L	EPA 218.6	0.0048	0.02			
2014/15-5	000NONPJ	matrix spike, rec	5/20/2015	Metal	Chromium VI	n/a	=	104	%	EPA 218.6	-88	-88	88	112	
2014/15-5	000NONPJ	matrix spike dup	5/20/2015	Metal	Chromium VI	n/a	=	8.03	µg/L	EPA 218.6	0.0048	0.02			
2014/15-5	000NONPJ	matrix spike dup, rec	5/20/2015	Metal	Chromium VI	n/a	=	105	%	EPA 218.6	-88	-88	88	112	
2014/15-5	000NONPJ	matrix spike, RPD	5/20/2015	Metal	Chromium VI	n/a	=	0.7	%	EPA 218.6	-88	-88	0	10	
2014/15-5	Lab	method blank	5/20/2015	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2014/15-5	Lab	LCS	5/20/2015	Metal	Chromium VI	n/a	=	5.1	µg/L	EPA 218.6	0.0048	0.02			
2014/15-5	Lab	LCS, rec	5/20/2015	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike	5/20/2015	Metal	Chromium VI	n/a	=	5.23	µg/L	EPA 218.6	0.0048	0.02			
2014/15-5	ME-SCR	matrix spike, rec	5/20/2015	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2014/15-5	ME-SCR	matrix spike dup	5/20/2015	Metal	Chromium VI	n/a	=	5.24	µg/L	EPA 218.6	0.0048	0.02			
2014/15-5	ME-SCR	matrix spike dup, rec	5/20/2015	Metal	Chromium VI	n/a	=	102	%	EPA 218.6	-88	-88	88	112	
2014/15-5	ME-SCR	matrix spike, RPD	5/20/2015	Metal	Chromium VI	n/a	=	0.3	%	EPA 218.6	-88	-88	0	10	
2014/15-5	Lab	method blank	5/27/2015	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2014/15-5	Lab	LCS	5/27/2015	Metal	Copper	Dissolved	=	52	µg/L	EPA 200.8	0.13	0.5			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Copper	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2014/15-5	Lab	LCS	5/27/2015	Metal	Copper	Total	=	52	µg/L	EPA 200.8	0.13	0.5			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Copper	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Copper	Total	=	48.7	µg/L	EPA 200.8	0.13	0.5			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Copper	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Copper	Total	=	48.2	µg/L	EPA 200.8	0.13	0.5			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Copper	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Copper	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Copper	Total	=	118	µg/L	EPA 200.8	0.13	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Copper	Total	=	118	µg/L	EPA 200.8	0.13	0.5			
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Copper	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Copper	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-5	Lab	method blank	5/26/2015	Metal	Iron	Dissolved	DNQ	1.31	µg/L	EPA 200.7	1.1	10			IP
2014/15-5	Lab	LCS	5/26/2015	Metal	Iron	Dissolved	=	192	µg/L	EPA 200.7	1.1	10			
2014/15-5	Lab	LCS, rec	5/26/2015	Metal	Iron	Dissolved	=	96	%	EPA 200.7	-88	-88	85	115	
2014/15-5	Lab	method blank	5/26/2015	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-5	Lab	LCS	5/26/2015	Metal	Iron	Total	=	192	µg/L	EPA 200.7	1.1	10			
2014/15-5	Lab	LCS, rec	5/26/2015	Metal	Iron	Total	=	96	%	EPA 200.7	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/26/2015	Metal	Iron	Total	=	430	µg/L	EPA 200.7	1.1	10			
2014/15-5	ME-SCR	matrix spike, rec	5/26/2015	Metal	Iron	Total	=	112	%	EPA 200.7	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/26/2015	Metal	Iron	Total	=	438	µg/L	EPA 200.7	1.1	10			
2014/15-5	ME-SCR	matrix spike dup, rec	5/26/2015	Metal	Iron	Total	=	117	%	EPA 200.7	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/26/2015	Metal	Iron	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-5	ME-VR2	matrix spike	5/26/2015	Metal	Iron	Total	=	665	µg/L	EPA 200.7	1.1	10			
2014/15-5	ME-VR2	matrix spike, rec	5/26/2015	Metal	Iron	Total	=	121	%	EPA 200.7	-88	-88	70	130	
2014/15-5	ME-VR2	matrix spike dup	5/26/2015	Metal	Iron	Total	=	698	µg/L	EPA 200.7	1.1	10			GB
2014/15-5	ME-VR2	matrix spike dup, rec	5/26/2015	Metal	Iron	Total	=	137	%	EPA 200.7	-88	-88	70	130	GB
2014/15-5	ME-VR2	matrix spike, RPD	5/26/2015	Metal	Iron	Total	=	5	%	EPA 200.7	-88	-88	0	30	
2014/15-5	Lab	method blank	5/27/2015	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2014/15-5	Lab	LCS	5/27/2015	Metal	Lead	Dissolved	=	48.8	µg/L	EPA 200.8	0.031	0.2			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Lead	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2014/15-5	Lab	LCS	5/27/2015	Metal	Lead	Total	=	48.8	µg/L	EPA 200.8	0.031	0.2			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Lead	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Lead	Total	=	48.1	µg/L	EPA 200.8	0.031	0.2			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Lead	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Lead	Total	=	49.8	µg/L	EPA 200.8	0.031	0.2			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Lead	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Lead	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Lead	Total	=	98.9	µg/L	EPA 200.8	0.031	0.2			
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Lead	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Lead	Total	=	101	µg/L	EPA 200.8	0.031	0.2			
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Lead	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-5	Lab	LCS	5/21/2015	Metal	Mercury	Dissolved	=	1050	ng/L	EPA 245.1	3.9	50			
2014/15-5	Lab	LCS, rec	5/21/2015	Metal	Mercury	Dissolved	=	105	%	EPA 245.1	-88	-88	85	115	
2014/15-5	Lab	method blank	5/21/2015	Metal	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-5	ME-SCR	matrix spike	5/21/2015	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	3.9	50			
2014/15-5	ME-SCR	matrix spike dup	5/21/2015	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	3.9	50			
2014/15-5	ME-SCR	matrix spike dup, rec	5/21/2015	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, rec	5/21/2015	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/21/2015	Metal	Mercury	Dissolved	=	0	%	EPA 245.1	-88	-88	0	20	
2014/15-5	MO-THO	matrix spike	5/21/2015	Metal	Mercury	Dissolved	=	1710	ng/L	EPA 245.1	3.9	50			
2014/15-5	MO-THO	matrix spike dup	5/21/2015	Metal	Mercury	Dissolved	=	1760	ng/L	EPA 245.1	3.9	50			
2014/15-5	MO-THO	matrix spike dup, rec	5/21/2015	Metal	Mercury	Dissolved	=	88	%	EPA 245.1	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	MO-THO	matrix spike, rec	5/21/2015	Metal	Mercury	Dissolved	=	86	%	EPA 245.1	-88	-88	70	130	
2014/15-5	MO-THO	matrix spike, RPD	5/21/2015	Metal	Mercury	Dissolved	=	3	%	EPA 245.1	-88	-88	0	20	
2014/15-5	Lab	LCS	5/21/2015	Metal	Mercury	Total	=	1050	ng/L	EPA 245.1	3.9	50			
2014/15-5	Lab	LCS, rec	5/21/2015	Metal	Mercury	Total	=	105	%	EPA 245.1	-88	-88	85	115	
2014/15-5	Lab	method blank	5/21/2015	Metal	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50			
2014/15-5	ME-SCR	matrix spike	5/21/2015	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	3.9	50			
2014/15-5	ME-SCR	matrix spike dup	5/21/2015	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	3.9	50			
2014/15-5	ME-SCR	matrix spike dup, rec	5/21/2015	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, rec	5/21/2015	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/21/2015	Metal	Mercury	Total	=	0	%	EPA 245.1	-88	-88	0	20	
2014/15-5	MO-THO	matrix spike	5/21/2015	Metal	Mercury	Total	=	1710	ng/L	EPA 245.1	3.9	50			
2014/15-5	MO-THO	matrix spike dup	5/21/2015	Metal	Mercury	Total	=	1760	ng/L	EPA 245.1	3.9	50			
2014/15-5	MO-THO	matrix spike dup, rec	5/21/2015	Metal	Mercury	Total	=	87	%	EPA 245.1	-88	-88	70	130	
2014/15-5	MO-THO	matrix spike, rec	5/21/2015	Metal	Mercury	Total	=	84	%	EPA 245.1	-88	-88	70	130	
2014/15-5	MO-THO	matrix spike, RPD	5/21/2015	Metal	Mercury	Total	=	3	%	EPA 245.1	-88	-88	0	20	
2014/15-5	Lab	method blank	5/27/2015	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2014/15-5	Lab	LCS	5/27/2015	Metal	Nickel	Dissolved	=	52.1	µg/L	EPA 200.8	0.045	0.8			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Nickel	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2014/15-5	Lab	LCS	5/27/2015	Metal	Nickel	Total	=	52.1	µg/L	EPA 200.8	0.045	0.8			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Nickel	Total	=	50.1	µg/L	EPA 200.8	0.045	0.8			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Nickel	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Nickel	Total	=	49.4	µg/L	EPA 200.8	0.045	0.8			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Nickel	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Nickel	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Nickel	Total	=	70.2	µg/L	EPA 200.8	0.045	0.8			
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Nickel	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Nickel	Total	=	70.1	µg/L	EPA 200.8	0.045	0.8			
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Nickel	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Nickel	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2014/15-5	Lab	method blank	5/27/2015	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2014/15-5	Lab	LCS	5/27/2015	Metal	Selenium	Dissolved	=	49.1	µg/L	EPA 200.8	0.14	0.4			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Selenium	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2014/15-5	Lab	LCS	5/27/2015	Metal	Selenium	Total	=	49.1	µg/L	EPA 200.8	0.14	0.4			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Selenium	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Selenium	Total	=	52.6	µg/L	EPA 200.8	0.14	0.4			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Selenium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Selenium	Total	=	51.5	µg/L	EPA 200.8	0.14	0.4			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Selenium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Selenium	Total	=	53.1	µg/L	EPA 200.8	0.14	0.4			
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Selenium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Selenium	Total	=	47.3	µg/L	EPA 200.8	0.14	0.4			
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Selenium	Total	=	11	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	method blank	5/27/2015	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2014/15-5	Lab	LCS	5/27/2015	Metal	Silver	Dissolved	=	49.2	µg/L	EPA 200.8	0.062	0.2			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Silver	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2014/15-5	Lab	LCS	5/27/2015	Metal	Silver	Total	=	49.2	µg/L	EPA 200.8	0.062	0.2			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Silver	Total	=	98	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Silver	Total	=	44.7	µg/L	EPA 200.8	0.062	0.2			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Silver	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Silver	Total	=	46.5	µg/L	EPA 200.8	0.062	0.2			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Silver	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Silver	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Silver	Total	=	48.6	µg/L	EPA 200.8	0.062	0.2			
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Silver	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Silver	Total	=	49.9	µg/L	EPA 200.8	0.062	0.2			
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Silver	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Silver	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-5	Lab	method blank	5/27/2015	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2014/15-5	Lab	LCS	5/27/2015	Metal	Thallium	Dissolved	=	51.2	µg/L	EPA 200.8	0.014	0.2			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Thallium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2014/15-5	Lab	LCS	5/27/2015	Metal	Thallium	Total	=	51.2	µg/L	EPA 200.8	0.014	0.2			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Thallium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Thallium	Total	=	49.4	µg/L	EPA 200.8	0.014	0.2			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Thallium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Thallium	Total	=	50.2	µg/L	EPA 200.8	0.014	0.2			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Thallium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Thallium	Total	=	52	µg/L	EPA 200.8	0.014	0.2			
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Thallium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Thallium	Total	=	53.1	µg/L	EPA 200.8	0.014	0.2			
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Thallium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Thallium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-5	Lab	method blank	5/27/2015	Metal	Zinc	Dissolved	DNQ	1.18	µg/L	EPA 200.8	0.94	5			IP
2014/15-5	Lab	LCS	5/27/2015	Metal	Zinc	Dissolved	=	50.8	µg/L	EPA 200.8	0.94	5			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Zinc	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-5	Lab	method blank	5/27/2015	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2014/15-5	Lab	LCS	5/27/2015	Metal	Zinc	Total	=	50.8	µg/L	EPA 200.8	0.94	5			
2014/15-5	Lab	LCS, rec	5/27/2015	Metal	Zinc	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-5	ME-SCR	matrix spike	5/27/2015	Metal	Zinc	Total	=	47.1	µg/L	EPA 200.8	0.94	5			
2014/15-5	ME-SCR	matrix spike, rec	5/27/2015	Metal	Zinc	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/27/2015	Metal	Zinc	Total	=	46.8	µg/L	EPA 200.8	0.94	5			
2014/15-5	ME-SCR	matrix spike dup, rec	5/27/2015	Metal	Zinc	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/27/2015	Metal	Zinc	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2014/15-5	MO-SPA	matrix spike	5/27/2015	Metal	Zinc	Total	=	470	µg/L	EPA 200.8	0.94	5			
2014/15-5	MO-SPA	matrix spike, rec	5/27/2015	Metal	Zinc	Total	=	75	%	EPA 200.8	-88	-88	70	130	
2014/15-5	MO-SPA	matrix spike dup	5/27/2015	Metal	Zinc	Total	=	471	µg/L	EPA 200.8	0.94	5			
2014/15-5	MO-SPA	matrix spike dup, rec	5/27/2015	Metal	Zinc	Total	=	77	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	MO-SPA	matrix spike, RPD	5/27/2015	Metal	Zinc	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	5/18/2015	Nutrient	Ammonia as N	n/a	=	0.785	mg/L	EPA 350.1	0.048	0.1			
2014/15-5	000NONPJ	matrix spike dup	5/18/2015	Nutrient	Ammonia as N	n/a	=	0.78	mg/L	EPA 350.1	0.048	0.1			
2014/15-5	000NONPJ	matrix spike dup, rec	5/18/2015	Nutrient	Ammonia as N	n/a	=	93	%	EPA 350.1	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike, rec	5/18/2015	Nutrient	Ammonia as N	n/a	=	95	%	EPA 350.1	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike, RPD	5/18/2015	Nutrient	Ammonia as N	n/a	=	0.7	%	EPA 350.1	-88	-88	0	15	
2014/15-5	Lab	LCS	5/18/2015	Nutrient	Ammonia as N	n/a	=	0.252	mg/L	EPA 350.1	0.048	0.1			
2014/15-5	Lab	LCS	5/18/2015	Nutrient	Ammonia as N	n/a	=	0.25	mg/L	EPA 350.1	0.048	0.1			
2014/15-5	Lab	LCS, rec	5/18/2015	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2014/15-5	Lab	LCS, rec	5/18/2015	Nutrient	Ammonia as N	n/a	=	101	%	EPA 350.1	-88	-88	90	110	
2014/15-5	Lab	method blank	5/18/2015	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-5	Lab	method blank	5/18/2015	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-5	ME-SCR	matrix spike	5/18/2015	Nutrient	Ammonia as N	n/a	=	0.263	mg/L	EPA 350.1	0.048	0.1			
2014/15-5	ME-SCR	matrix spike dup	5/18/2015	Nutrient	Ammonia as N	n/a	=	0.262	mg/L	EPA 350.1	0.048	0.1			
2014/15-5	ME-SCR	matrix spike dup, rec	5/18/2015	Nutrient	Ammonia as N	n/a	=	105	%	EPA 350.1	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike, rec	5/18/2015	Nutrient	Ammonia as N	n/a	=	105	%	EPA 350.1	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike, RPD	5/18/2015	Nutrient	Ammonia as N	n/a	=	0.3	%	EPA 350.1	-88	-88	0	15	
2014/15-5	000NONPJ	matrix spike	5/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.02	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	000NONPJ	matrix spike, rec	5/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike dup	5/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.04	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	000NONPJ	matrix spike dup, rec	5/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike, RPD	5/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2014/15-5	000NONPJ	lab duplicate	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	5.85	mg/L	EPA 353.2	0.01	0.1		20	
2014/15-5	000NONPJ	matrix spike	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	7.84	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	000NONPJ	matrix spike, rec	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike dup	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	8.03	mg/L	EPA 353.2	0.01	0.1			GB
2014/15-5	000NONPJ	matrix spike dup, rec	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	111	%	EPA 353.2	-88	-88	90	110	GB
2014/15-5	000NONPJ	matrix spike, RPD	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2014/15-5	Lab	method blank	5/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	Lab	LCS	5/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	0.942	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	Lab	LCS, rec	5/15/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2014/15-5	Lab	method blank	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	Lab	LCS	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	0.944	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	Lab	LCS, rec	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2014/15-5	Lab	method blank	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	Lab	LCS	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	0.992	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	Lab	LCS, rec	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.14	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	ME-SCR	matrix spike, rec	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	93	%	EPA 353.2	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike dup	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.17	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	ME-SCR	matrix spike dup, rec	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike, RPD	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2014/15-5	MO-SIM	matrix spike	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	3.9	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	MO-SIM	matrix spike, rec	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	103	%	EPA 353.2	-88	-88	90	110	
2014/15-5	MO-SIM	matrix spike dup	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	3.93	mg/L	EPA 353.2	0.01	0.1			
2014/15-5	MO-SIM	matrix spike dup, rec	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2014/15-5	MO-SIM	matrix spike, RPD	5/18/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	0.8	%	EPA 353.2	-88	-88	0	20	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	000NONPJ	matrix spike	5/15/2015	Nutrient	Nitrate as N	n/a	=	2.02	mg/L	EPA 353.2	0.041	0.1			
2014/15-5	000NONPJ	matrix spike, rec	5/15/2015	Nutrient	Nitrate as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike dup	5/15/2015	Nutrient	Nitrate as N	n/a	=	2.04	mg/L	EPA 353.2	0.041	0.1			
2014/15-5	000NONPJ	matrix spike dup, rec	5/15/2015	Nutrient	Nitrate as N	n/a	=	100	%	EPA 353.2	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike, RPD	5/15/2015	Nutrient	Nitrate as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2014/15-5	Lab	method blank	5/15/2015	Nutrient	Nitrate as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2014/15-5	Lab	LCS	5/15/2015	Nutrient	Nitrate as N	n/a	=	0.942	mg/L	EPA 353.2	0.041	0.1			
2014/15-5	Lab	LCS, rec	5/15/2015	Nutrient	Nitrate as N	n/a	=	94	%	EPA 353.2	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	0.188	mg/L	EPA 365.1	0.0014	0.01			
2014/15-5	000NONPJ	matrix spike, rec	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	100	%	EPA 365.1	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike dup	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	0.19	mg/L	EPA 365.1	0.0014	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	104	%	EPA 365.1	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike, RPD	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	1	%	EPA 365.1	-88	-88	0	20	
2014/15-5	000NONPJ	lab duplicate	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	0.042	mg/L	EPA 365.1	0.0014	0.01		20	
2014/15-5	Lab	method blank	5/28/2015	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-5	Lab	LCS	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0506	mg/L	EPA 365.1	0.0014	0.01			
2014/15-5	Lab	LCS, rec	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	101	%	EPA 365.1	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0578	mg/L	EPA 365.1	0.0014	0.01			
2014/15-5	ME-SCR	matrix spike, rec	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	105	%	EPA 365.1	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike dup	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0575	mg/L	EPA 365.1	0.0014	0.01			
2014/15-5	ME-SCR	matrix spike dup, rec	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	105	%	EPA 365.1	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike, RPD	5/28/2015	Nutrient	Phosphorus as P	Dissolved	=	0.5	%	EPA 365.1	-88	-88	0	20	
2014/15-5	000NONPJ	lab duplicate	5/28/2015	Nutrient	Phosphorus as P	Total	=	0.0322	mg/L	EPA 365.1	0.0014	0.01		20	
2014/15-5	000NONPJ	matrix spike	5/28/2015	Nutrient	Phosphorus as P	Total	=	0.286	mg/L	EPA 365.1	0.0028	0.02			
2014/15-5	000NONPJ	matrix spike, rec	5/28/2015	Nutrient	Phosphorus as P	Total	=	104	%	EPA 365.1	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike dup	5/28/2015	Nutrient	Phosphorus as P	Total	=	0.28	mg/L	EPA 365.1	0.0028	0.02			
2014/15-5	000NONPJ	matrix spike dup, rec	5/28/2015	Nutrient	Phosphorus as P	Total	=	92	%	EPA 365.1	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike, RPD	5/28/2015	Nutrient	Phosphorus as P	Total	=	2	%	EPA 365.1	-88	-88	0	20	
2014/15-5	Lab	method blank	5/28/2015	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-5	Lab	LCS	5/28/2015	Nutrient	Phosphorus as P	Total	=	0.0514	mg/L	EPA 365.1	0.0014	0.01			
2014/15-5	Lab	LCS, rec	5/28/2015	Nutrient	Phosphorus as P	Total	=	103	%	EPA 365.1	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike	5/28/2015	Nutrient	Phosphorus as P	Total	=	0.13	mg/L	EPA 365.1	0.0028	0.02			
2014/15-5	ME-SCR	matrix spike, rec	5/28/2015	Nutrient	Phosphorus as P	Total	=	105	%	EPA 365.1	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike dup	5/28/2015	Nutrient	Phosphorus as P	Total	=	0.131	mg/L	EPA 365.1	0.0028	0.02			
2014/15-5	ME-SCR	matrix spike dup, rec	5/28/2015	Nutrient	Phosphorus as P	Total	=	106	%	EPA 365.1	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike, RPD	5/28/2015	Nutrient	Phosphorus as P	Total	=	0.9	%	EPA 365.1	-88	-88	0	20	
2014/15-5	000NONPJ	lab duplicate	5/22/2015	Nutrient	TKN	n/a	=	0.332	mg/L	EPA 351.2	0.05	0.1		10	
2014/15-5	000NONPJ	matrix spike	5/22/2015	Nutrient	TKN	n/a	=	2.66	mg/L	EPA 351.2	0.05	0.1			GB
2014/15-5	000NONPJ	matrix spike dup	5/22/2015	Nutrient	TKN	n/a	=	2.44	mg/L	EPA 351.2	0.05	0.1			
2014/15-5	000NONPJ	matrix spike dup, rec	5/22/2015	Nutrient	TKN	n/a	=	90	%	EPA 351.2	-88	-88	90	110	
2014/15-5	000NONPJ	matrix spike, rec	5/22/2015	Nutrient	TKN	n/a	=	112	%	EPA 351.2	-88	-88	90	110	GB
2014/15-5	000NONPJ	matrix spike, RPD	5/22/2015	Nutrient	TKN	n/a	=	9	%	EPA 351.2	-88	-88	0	10	
2014/15-5	Lab	LCS	5/22/2015	Nutrient	TKN	n/a	=	1.02	mg/L	EPA 351.2	0.05	0.1			
2014/15-5	Lab	LCS	5/22/2015	Nutrient	TKN	n/a	=	0.993	mg/L	EPA 351.2	0.05	0.1			
2014/15-5	Lab	LCS, rec	5/22/2015	Nutrient	TKN	n/a	=	99	%	EPA 351.2	-88	-88	90	110	
2014/15-5	Lab	LCS, rec	5/22/2015	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2014/15-5	Lab	method blank	5/22/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	method blank	5/22/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-5	ME-SCR	matrix spike	5/22/2015	Nutrient	TKN	n/a	=	1.44	mg/L	EPA 351.2	0.05	0.1			
2014/15-5	ME-SCR	matrix spike dup	5/22/2015	Nutrient	TKN	n/a	=	1.78	mg/L	EPA 351.2	0.05	0.1			GB
2014/15-5	ME-SCR	matrix spike dup, rec	5/22/2015	Nutrient	TKN	n/a	=	138	%	EPA 351.2	-88	-88	90	110	GB
2014/15-5	ME-SCR	matrix spike, rec	5/22/2015	Nutrient	TKN	n/a	=	103	%	EPA 351.2	-88	-88	90	110	
2014/15-5	ME-SCR	matrix spike, RPD	5/22/2015	Nutrient	TKN	n/a	=	21	%	EPA 351.2	-88	-88	0	10	IL
2014/15-5	Lab	method blank	6/6/2015	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	18	µg/L	EPA 625	0.55	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	44	142	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	18.8	µg/L	EPA 625	0.55	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	44	142	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	18	µg/L	EPA 625	0.55	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	44	142	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	1,2-Dichlorobenzene	n/a	=	17.9	µg/L	EPA 625	0.57	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	1,2-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	32	129	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	1,2-Dichlorobenzene	n/a	=	18.3	µg/L	EPA 625	0.57	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	1,2-Dichlorobenzene	n/a	=	73	%	EPA 625	-88	-88	32	129	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	1,2-Dichlorobenzene	n/a	=	17.4	µg/L	EPA 625	0.57	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	1,2-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	32	129	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	1,2-Dichlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	srgt LCS	5/18/2015	Organic	1,2-Dichloroethane-d4	n/a	=	47.8	µg/L	EPA 624	-88	-88			
2014/15-5	Lab	srgt LCS, rec	5/18/2015	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2014/15-5	Lab	srgt LCS dup	5/18/2015	Organic	1,2-Dichloroethane-d4	n/a	=	47	µg/L	EPA 624	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	5/18/2015	Organic	1,2-Dichloroethane-d4	n/a	=	94	%	EPA 624	-88	-88	82	125	
2014/15-5	Lab	srgt method blank	5/18/2015	Organic	1,2-Dichloroethane-d4	n/a	=	49.7	µg/L	EPA 624	-88	-88			
2014/15-5	Lab	srgt method blank, rec	5/18/2015	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2014/15-5	ME-CC	srgt environ	5/18/2015	Organic	1,2-Dichloroethane-d4	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	5/18/2015	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2014/15-5	ME-SCR	srgt environ	5/18/2015	Organic	1,2-Dichloroethane-d4	n/a	=	52.8	µg/L	EPA 624	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	5/18/2015	Organic	1,2-Dichloroethane-d4	n/a	=	106	%	EPA 624	-88	-88	82	125	
2014/15-5	ME-SCR	srgt matrix spike	5/19/2015	Organic	1,2-Dichloroethane-d4	n/a	=	47.7	µg/L	EPA 624	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike, rec	5/19/2015	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2014/15-5	ME-SCR	srgt matrix spike dup	5/19/2015	Organic	1,2-Dichloroethane-d4	n/a	=	47.6	µg/L	EPA 624	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike dup, rec	5/19/2015	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2014/15-5	ME-VR2	srgt environ	5/18/2015	Organic	1,2-Dichloroethane-d4	n/a	=	51.5	µg/L	EPA 624	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	5/18/2015	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2014/15-5	Lab	method blank	6/6/2015	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-5	Lab	method blank	6/6/2015	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	1,3-Dichlorobenzene	n/a	=	16.9	µg/L	EPA 625	0.53	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	1,3-Dichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	0.1	172	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	1,3-Dichlorobenzene	n/a	=	17.5	µg/L	EPA 625	0.53	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	1,3-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	0.1	172	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	1,3-Dichlorobenzene	n/a	=	16.7	µg/L	EPA 625	0.53	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	1,3-Dichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	0.1	172	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	1,3-Dichlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	000NONPJ	srgt matrix spike	6/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.47	µg/L	EPA 525.2m	-88	-88			
2014/15-5	000NONPJ	srgt matrix spike, rec	6/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	000NONPJ	srgt matrix spike dup	6/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.458	µg/L	EPA 525.2m	-88	-88			
2014/15-5	000NONPJ	srgt matrix spike dup, rec	6/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	000NONPJ	srgt matrix spike	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.464	µg/L	EPA 525.2m	-88	-88			
2014/15-5	000NONPJ	srgt matrix spike, rec	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	000NONPJ	srgt matrix spike dup	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.468	µg/L	EPA 525.2m	-88	-88			
2014/15-5	000NONPJ	srgt matrix spike dup, rec	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	Lab	srgt method blank	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.71	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt method blank, rec	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2	-88	-88	73	138	
2014/15-5	Lab	srgt LCS	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.82	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt LCS, rec	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	73	138	
2014/15-5	Lab	srgt LCS dup	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.91	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	98	%	EPA 525.2	-88	-88	73	138	
2014/15-5	Lab	srgt method blank	6/2/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.01	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/2/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2014/15-5	Lab	srgt LCS	6/2/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.01	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/2/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2014/15-5	Lab	srgt LCS dup	6/2/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.06	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	6/2/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	73	138	
2014/15-5	Lab	srgt method blank	6/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.458	µg/L	EPA 525.2m	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	Lab	srgt LCS	6/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.45	µg/L	EPA 525.2m	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	90	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	Lab	srgt method blank	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.469	µg/L	EPA 525.2m	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	Lab	srgt LCS	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.471	µg/L	EPA 525.2m	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	Lab	srgt method blank	6/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.469	µg/L	EPA 525.2m	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	Lab	srgt LCS	6/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.465	µg/L	EPA 525.2m	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	ME-CC	srgt environ	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	6.36	µg/L	EPA 525.2	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	127	%	EPA 525.2	-88	-88	73	138	
2014/15-5	ME-CC	srgt environ	6/9/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.447	µg/L	EPA 525.2m	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/9/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	ME-SCR	srgt environ	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.55	µg/L	EPA 525.2	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	111	%	EPA 525.2	-88	-88	73	138	
2014/15-5	ME-SCR	srgt environ	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.48	µg/L	EPA 525.2m	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	ME-VR2	srgt environ	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	6.04	µg/L	EPA 525.2	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	121	%	EPA 525.2	-88	-88	73	138	
2014/15-5	ME-VR2	srgt environ	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.485	µg/L	EPA 525.2m	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	MO-CAM	srgt environ	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	6.16	µg/L	EPA 525.2	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	123	%	EPA 525.2	-88	-88	73	138	
2014/15-5	MO-CAM	srgt environ	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.414	µg/L	EPA 525.2m	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	MO-CAM	srgt environ, rec	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	83	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	MO-FIL	srgt environ	6/3/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.93	µg/L	EPA 525.2	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/3/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	119	%	EPA 525.2	-88	-88	73	138	
2014/15-5	MO-FIL	srgt environ	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.417	µg/L	EPA 525.2m	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	83	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	MO-SIM	srgt environ	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	7.48	µg/L	EPA 525.2	-88	-88			GN
2014/15-5	MO-SIM	srgt environ, rec	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	150	%	EPA 525.2	-88	-88	73	138	GN
2014/15-5	MO-SIM	srgt environ	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.471	µg/L	EPA 525.2m	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	MO-SPA	srgt environ	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.42	µg/L	EPA 525.2	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	5/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	108	%	EPA 525.2	-88	-88	73	138	
2014/15-5	MO-SPA	srgt environ	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.462	µg/L	EPA 525.2m	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	MO-THO	srgt environ	6/3/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.87	µg/L	EPA 525.2	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/3/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	97	%	EPA 525.2	-88	-88	73	138	
2014/15-5	MO-THO	srgt environ	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.473	µg/L	EPA 525.2m	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/13/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2m	-88	-88	76	128	
2014/15-5	Lab	method blank	6/6/2015	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	1,4-Dichlorobenzene	n/a	=	16.9	µg/L	EPA 625	0.55	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	1,4-Dichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	20	124	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	1,4-Dichlorobenzene	n/a	=	17.6	µg/L	EPA 625	0.55	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	1,4-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	20	124	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	1,4-Dichlorobenzene	n/a	=	16.8	µg/L	EPA 625	0.55	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	1,4-Dichlorobenzene	n/a	=	67	%	EPA 625	-88	-88	20	124	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	1,4-Dichlorobenzene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	method blank	6/2/2015	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1			
2014/15-5	Lab	srgt method blank	6/2/2015	Organic	2,4,6-Tribromophenol	n/a	=	7.78	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/2/2015	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 8270Cm	-88	-88	26	117	
2014/15-5	Lab	srgt LCS	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.95	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	90	%	EPA 8270Cm	-88	-88	26	117	
2014/15-5	Lab	srgt LCS dup	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.49	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 8270Cm	-88	-88	26	117	
2014/15-5	Lab	srgt method blank	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	43.6	µg/L	EPA 625	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 625	-88	-88	25	102	
2014/15-5	Lab	srgt LCS	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	39.6	µg/L	EPA 625	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625	-88	-88	25	102	
2014/15-5	ME-CC	srgt environ	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	9.74	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	97	%	EPA 8270Cm	-88	-88	26	117	
2014/15-5	ME-CC	srgt environ	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	46.3	µg/L	EPA 625	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	93	%	EPA 625	-88	-88	25	102	
2014/15-5	ME-SCR	srgt environ	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.87	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 8270Cm	-88	-88	26	117	
2014/15-5	ME-SCR	srgt matrix spike	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	46	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike, rec	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	92	%	EPA 625	-88	-88	25	102	
2014/15-5	ME-SCR	srgt matrix spike dup	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	45.6	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike dup, rec	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	91	%	EPA 625	-88	-88	25	102	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	ME-SCR	srgt environ	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	41.6	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625	-88	-88	25	102	
2014/15-5	ME-VR2	srgt environ	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	9.43	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	94	%	EPA 8270Cm	-88	-88	26	117	
2014/15-5	ME-VR2	srgt environ	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	47.9	µg/L	EPA 625	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	96	%	EPA 625	-88	-88	25	102	
2014/15-5	MO-CAM	srgt environ	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	10.2	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	102	%	EPA 8270Cm	-88	-88	26	117	
2014/15-5	MO-CAM	srgt environ	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	42	µg/L	EPA 625	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 625	-88	-88	25	102	
2014/15-5	MO-FIL	srgt environ	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	11.4	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	114	%	EPA 8270Cm	-88	-88	26	117	
2014/15-5	MO-FIL	srgt environ	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	42	µg/L	EPA 625	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 625	-88	-88	25	102	
2014/15-5	MO-SIM	srgt environ	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	11.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	113	%	EPA 8270Cm	-88	-88	26	117	
2014/15-5	MO-SIM	srgt environ	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	56.8	µg/L	EPA 625	-88	-88			GN
2014/15-5	MO-SIM	srgt environ, rec	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	108	%	EPA 625	-88	-88	25	102	GN
2014/15-5	MO-SPA	srgt environ	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	7.7	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 8270Cm	-88	-88	26	117	
2014/15-5	MO-SPA	srgt environ	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	40.2	µg/L	EPA 625	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 625	-88	-88	25	102	
2014/15-5	MO-THO	srgt environ	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	10.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/3/2015	Organic	2,4,6-Tribromophenol	n/a	=	103	%	EPA 8270Cm	-88	-88	26	117	
2014/15-5	MO-THO	srgt environ	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	44.5	µg/L	EPA 625	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/6/2015	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 625	-88	-88	25	102	
2014/15-5	Lab	method blank	6/2/2015	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-5	Lab	LCS	6/3/2015	Organic	2,4,6-Trichlorophenol	n/a	=	8.13	µg/L	EPA 8270Cm	0.3	1			
2014/15-5	Lab	LCS, rec	6/3/2015	Organic	2,4,6-Trichlorophenol	n/a	=	81	%	EPA 8270Cm	-88	-88	30	115	
2014/15-5	Lab	LCS dup	6/3/2015	Organic	2,4,6-Trichlorophenol	n/a	=	8.16	µg/L	EPA 8270Cm	0.3	1			
2014/15-5	Lab	LCS dup, rec	6/3/2015	Organic	2,4,6-Trichlorophenol	n/a	=	82	%	EPA 8270Cm	-88	-88	30	115	
2014/15-5	Lab	LCS, RPD	6/3/2015	Organic	2,4,6-Trichlorophenol	n/a	=	0.4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	2,4,6-Trichlorophenol	n/a	=	19.2	µg/L	EPA 625	0.22	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	2,4,6-Trichlorophenol	n/a	=	77	%	EPA 625	-88	-88	37	144	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	2,4,6-Trichlorophenol	n/a	=	21.2	µg/L	EPA 625	0.22	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	2,4,6-Trichlorophenol	n/a	=	85	%	EPA 625	-88	-88	37	144	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	2,4,6-Trichlorophenol	n/a	=	20	µg/L	EPA 625	0.22	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	2,4,6-Trichlorophenol	n/a	=	80	%	EPA 625	-88	-88	37	144	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	2,4,6-Trichlorophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1			
2014/15-5	Lab	LCS	6/3/2015	Organic	2,4-Dichlorophenol	n/a	=	7.3	µg/L	EPA 8270Cm	0.51	1			
2014/15-5	Lab	LCS, rec	6/3/2015	Organic	2,4-Dichlorophenol	n/a	=	73	%	EPA 8270Cm	-88	-88	32	105	
2014/15-5	Lab	LCS dup	6/3/2015	Organic	2,4-Dichlorophenol	n/a	=	7.42	µg/L	EPA 8270Cm	0.51	1			
2014/15-5	Lab	LCS dup, rec	6/3/2015	Organic	2,4-Dichlorophenol	n/a	=	74	%	EPA 8270Cm	-88	-88	32	105	
2014/15-5	Lab	LCS, RPD	6/3/2015	Organic	2,4-Dichlorophenol	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS	6/6/2015	Organic	2,4-Dichlorophenol	n/a	=	18.7	µg/L	EPA 625	0.26	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	2,4-Dichlorophenol	n/a	=	75	%	EPA 625	-88	-88	39	135	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	2,4-Dichlorophenol	n/a	=	19.6	µg/L	EPA 625	0.26	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	2,4-Dichlorophenol	n/a	=	78	%	EPA 625	-88	-88	39	135	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	2,4-Dichlorophenol	n/a	=	19.1	µg/L	EPA 625	0.26	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	2,4-Dichlorophenol	n/a	=	76	%	EPA 625	-88	-88	39	135	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	2,4-Dichlorophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	srgt method blank	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.2	µg/L	EPA 515.3	-88	-88			
2014/15-5	Lab	srgt method blank, rec	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-5	Lab	srgt LCS	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.89	µg/L	EPA 515.3	-88	-88			
2014/15-5	Lab	srgt LCS, rec	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-CC	srgt environ	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.5	µg/L	EPA 515.3	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	srgt matrix spike	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.58	µg/L	EPA 515.3	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike, rec	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	srgt matrix spike dup	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.61	µg/L	EPA 515.3	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike dup, rec	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	srgt environ	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.6	µg/L	EPA 515.3	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-VR2	srgt environ	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.3	µg/L	EPA 515.3	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2014/15-5	MO-CAM	srgt environ	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.76	µg/L	EPA 515.3	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-5	MO-FIL	srgt environ	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.27	µg/L	EPA 515.3	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-5	MO-SIM	srgt environ	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-5	MO-SPA	srgt environ	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.98	µg/L	EPA 515.3	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-5	MO-THO	srgt environ	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.11	µg/L	EPA 515.3	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	5/29/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-5	Lab	method blank	6/2/2015	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-5	Lab	LCS	6/3/2015	Organic	2,4-Dimethylphenol	n/a	=	6.19	µg/L	EPA 8270Cm	1	2			
2014/15-5	Lab	LCS, rec	6/3/2015	Organic	2,4-Dimethylphenol	n/a	=	62	%	EPA 8270Cm	-88	-88	31	97	
2014/15-5	Lab	LCS dup	6/3/2015	Organic	2,4-Dimethylphenol	n/a	=	5.57	µg/L	EPA 8270Cm	1	2			
2014/15-5	Lab	LCS dup, rec	6/3/2015	Organic	2,4-Dimethylphenol	n/a	=	56	%	EPA 8270Cm	-88	-88	31	97	
2014/15-5	Lab	LCS, RPD	6/3/2015	Organic	2,4-Dimethylphenol	n/a	=	11	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	2,4-Dimethylphenol	n/a	=	10.9	µg/L	EPA 625	0.3	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	2,4-Dimethylphenol	n/a	=	44	%	EPA 625	-88	-88	32	119	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	2,4-Dimethylphenol	n/a	=	16.4	µg/L	EPA 625	0.3	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	2,4-Dimethylphenol	n/a	=	65	%	EPA 625	-88	-88	32	119	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	2,4-Dimethylphenol	n/a	=	16.3	µg/L	EPA 625	0.3	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	2,4-Dimethylphenol	n/a	=	65	%	EPA 625	-88	-88	32	119	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	2,4-Dimethylphenol	n/a	=	0.1	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-5	Lab	LCS	6/3/2015	Organic	2,4-Dinitrophenol	n/a	=	10	µg/L	EPA 8270Cm	1	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS, rec	6/3/2015	Organic	2,4-Dinitrophenol	n/a	=	100	%	EPA 8270Cm	-88	-88	7	155	
2014/15-5	Lab	LCS dup	6/3/2015	Organic	2,4-Dinitrophenol	n/a	=	9.19	µg/L	EPA 8270Cm	1	2			
2014/15-5	Lab	LCS dup, rec	6/3/2015	Organic	2,4-Dinitrophenol	n/a	=	92	%	EPA 8270Cm	-88	-88	7	155	
2014/15-5	Lab	LCS, RPD	6/3/2015	Organic	2,4-Dinitrophenol	n/a	=	9	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-5	Lab	LCS	6/6/2015	Organic	2,4-Dinitrophenol	n/a	=	19.9	µg/L	EPA 625	1.6	10			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	2,4-Dinitrophenol	n/a	=	80	%	EPA 625	-88	-88	0.1	191	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	2,4-Dinitrophenol	n/a	=	27.2	µg/L	EPA 625	1.6	10			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	2,4-Dinitrophenol	n/a	=	109	%	EPA 625	-88	-88	0.1	191	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	2,4-Dinitrophenol	n/a	=	26.4	µg/L	EPA 625	1.6	10			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	2,4-Dinitrophenol	n/a	=	106	%	EPA 625	-88	-88	0.1	191	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	2,4-Dinitrophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	2,4-Dinitrotoluene	n/a	=	19.8	µg/L	EPA 625	0.18	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	2,4-Dinitrotoluene	n/a	=	79	%	EPA 625	-88	-88	39	139	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	2,4-Dinitrotoluene	n/a	=	23.4	µg/L	EPA 625	0.18	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	2,4-Dinitrotoluene	n/a	=	93	%	EPA 625	-88	-88	39	139	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	2,4-Dinitrotoluene	n/a	=	22.9	µg/L	EPA 625	0.18	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	2,4-Dinitrotoluene	n/a	=	91	%	EPA 625	-88	-88	39	139	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	2,4-Dinitrotoluene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	2,6-Dinitrotoluene	n/a	=	19.7	µg/L	EPA 625	0.27	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	2,6-Dinitrotoluene	n/a	=	79	%	EPA 625	-88	-88	50	158	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	2,6-Dinitrotoluene	n/a	=	20.3	µg/L	EPA 625	0.27	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	2,6-Dinitrotoluene	n/a	=	81	%	EPA 625	-88	-88	50	158	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	2,6-Dinitrotoluene	n/a	=	20.3	µg/L	EPA 625	0.27	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	2,6-Dinitrotoluene	n/a	=	81	%	EPA 625	-88	-88	50	158	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	2,6-Dinitrotoluene	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	LCS	5/18/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	56.5	µg/L	EPA 624	0.28	1			
2014/15-5	Lab	LCS, rec	5/18/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	113	%	EPA 624	-88	-88	0.1	305	
2014/15-5	Lab	LCS dup	5/18/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	56.1	µg/L	EPA 624	0.28	1			
2014/15-5	Lab	LCS dup, rec	5/18/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	112	%	EPA 624	-88	-88	0.1	305	
2014/15-5	Lab	LCS, RPD	5/18/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	0.7	%	EPA 624	-88	-88	0	25	
2014/15-5	Lab	method blank	5/18/2015	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2014/15-5	ME-SCR	matrix spike	5/19/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	48.6	µg/L	EPA 624	0.28	1			
2014/15-5	ME-SCR	matrix spike, rec	5/19/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	97	%	EPA 624	-88	-88	0.1	305	
2014/15-5	ME-SCR	matrix spike dup	5/19/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	50	µg/L	EPA 624	0.28	1			
2014/15-5	ME-SCR	matrix spike dup, rec	5/19/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	100	%	EPA 624	-88	-88	0.1	305	
2014/15-5	ME-SCR	matrix spike, RPD	5/19/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	3	%	EPA 624	-88	-88	0	25	
2014/15-5	Lab	method blank	6/6/2015	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	2-Chloronaphthalene	n/a	=	18.6	µg/L	EPA 625	0.45	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	2-Chloronaphthalene	n/a	=	74	%	EPA 625	-88	-88	60	118	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	2-Chloronaphthalene	n/a	=	21	µg/L	EPA 625	0.45	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	2-Chloronaphthalene	n/a	=	84	%	EPA 625	-88	-88	60	118	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	2-Chloronaphthalene	n/a	=	19.2	µg/L	EPA 625	0.45	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	2-Chloronaphthalene	n/a	=	77	%	EPA 625	-88	-88	60	118	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	2-Chloronaphthalene	n/a	=	9	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	method blank	6/2/2015	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1			
2014/15-5	Lab	LCS	6/3/2015	Organic	2-Chlorophenol	n/a	=	7.15	µg/L	EPA 8270Cm	0.65	1			
2014/15-5	Lab	LCS, rec	6/3/2015	Organic	2-Chlorophenol	n/a	=	72	%	EPA 8270Cm	-88	-88	27	90	
2014/15-5	Lab	LCS dup	6/3/2015	Organic	2-Chlorophenol	n/a	=	7.42	µg/L	EPA 8270Cm	0.65	1			
2014/15-5	Lab	LCS dup, rec	6/3/2015	Organic	2-Chlorophenol	n/a	=	74	%	EPA 8270Cm	-88	-88	27	90	
2014/15-5	Lab	LCS, RPD	6/3/2015	Organic	2-Chlorophenol	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	2-Chlorophenol	n/a	=	18.2	µg/L	EPA 625	0.28	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	2-Chlorophenol	n/a	=	73	%	EPA 625	-88	-88	23	134	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	2-Chlorophenol	n/a	=	18.7	µg/L	EPA 625	0.28	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	2-Chlorophenol	n/a	=	75	%	EPA 625	-88	-88	23	134	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	2-Chlorophenol	n/a	=	17.9	µg/L	EPA 625	0.28	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	2-Chlorophenol	n/a	=	72	%	EPA 625	-88	-88	23	134	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	2-Chlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	srgt method blank	6/1/2015	Organic	2-Fluorobiphenyl	n/a	=	3.56	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/1/2015	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 8270Cm	-88	-88	51	139	
2014/15-5	Lab	srgt LCS	6/1/2015	Organic	2-Fluorobiphenyl	n/a	=	3.93	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/1/2015	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 8270Cm	-88	-88	51	139	
2014/15-5	Lab	srgt LCS dup	6/1/2015	Organic	2-Fluorobiphenyl	n/a	=	3.89	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	6/1/2015	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 8270Cm	-88	-88	51	139	
2014/15-5	Lab	srgt method blank	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	20.1	µg/L	EPA 625	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	81	%	EPA 625	-88	-88	22	107	
2014/15-5	Lab	srgt LCS	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	20.1	µg/L	EPA 625	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625	-88	-88	22	107	
2014/15-5	ME-CC	srgt environ	6/1/2015	Organic	2-Fluorobiphenyl	n/a	=	4.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/1/2015	Organic	2-Fluorobiphenyl	n/a	=	86	%	EPA 8270Cm	-88	-88	51	139	
2014/15-5	ME-CC	srgt environ	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	20	µg/L	EPA 625	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625	-88	-88	22	107	
2014/15-5	ME-SCR	srgt environ	6/1/2015	Organic	2-Fluorobiphenyl	n/a	=	3.84	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/1/2015	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 8270Cm	-88	-88	51	139	
2014/15-5	ME-SCR	srgt matrix spike	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike, rec	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 625	-88	-88	22	107	
2014/15-5	ME-SCR	srgt matrix spike dup	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike dup, rec	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2014/15-5	ME-SCR	srgt environ	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	18	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	72	%	EPA 625	-88	-88	22	107	
2014/15-5	ME-VR2	srgt environ	6/1/2015	Organic	2-Fluorobiphenyl	n/a	=	4.15	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/1/2015	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 8270Cm	-88	-88	51	139	
2014/15-5	ME-VR2	srgt environ	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	19	µg/L	EPA 625	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	76	%	EPA 625	-88	-88	22	107	
2014/15-5	MO-CAM	srgt environ	6/2/2015	Organic	2-Fluorobiphenyl	n/a	=	4.53	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/2/2015	Organic	2-Fluorobiphenyl	n/a	=	91	%	EPA 8270Cm	-88	-88	51	139	
2014/15-5	MO-CAM	srgt environ	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 625	-88	-88	22	107	
2014/15-5	MO-FIL	srgt environ	6/2/2015	Organic	2-Fluorobiphenyl	n/a	=	4.71	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/2/2015	Organic	2-Fluorobiphenyl	n/a	=	94	%	EPA 8270Cm	-88	-88	51	139	
2014/15-5	MO-FIL	srgt environ	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	19.9	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	MO-FIL	srgt environ, rec	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2014/15-5	MO-SIM	srgt environ	6/2/2015	Organic	2-Fluorobiphenyl	n/a	=	4.73	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/2/2015	Organic	2-Fluorobiphenyl	n/a	=	95	%	EPA 8270Cm	-88	-88	51	139	
2014/15-5	MO-SIM	srgt environ	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	22.8	µg/L	EPA 625	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	87	%	EPA 625	-88	-88	22	107	
2014/15-5	MO-SPA	srgt environ	6/2/2015	Organic	2-Fluorobiphenyl	n/a	=	4.13	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/2/2015	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 8270Cm	-88	-88	51	139	
2014/15-5	MO-SPA	srgt environ	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	80	%	EPA 625	-88	-88	22	107	
2014/15-5	MO-THO	srgt environ	6/2/2015	Organic	2-Fluorobiphenyl	n/a	=	4.6	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/2/2015	Organic	2-Fluorobiphenyl	n/a	=	92	%	EPA 8270Cm	-88	-88	51	139	
2014/15-5	MO-THO	srgt environ	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	15.9	µg/L	EPA 625	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/6/2015	Organic	2-Fluorobiphenyl	n/a	=	64	%	EPA 625	-88	-88	22	107	
2014/15-5	Lab	srgt method blank	6/2/2015	Organic	2-Fluorophenol	n/a	=	5.28	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/2/2015	Organic	2-Fluorophenol	n/a	=	53	%	EPA 8270Cm	-88	-88	11	62	
2014/15-5	Lab	srgt LCS	6/3/2015	Organic	2-Fluorophenol	n/a	=	4.9	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/3/2015	Organic	2-Fluorophenol	n/a	=	49	%	EPA 8270Cm	-88	-88	11	62	
2014/15-5	Lab	srgt LCS dup	6/3/2015	Organic	2-Fluorophenol	n/a	=	4.91	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	6/3/2015	Organic	2-Fluorophenol	n/a	=	49	%	EPA 8270Cm	-88	-88	11	62	
2014/15-5	Lab	srgt method blank	6/6/2015	Organic	2-Fluorophenol	n/a	=	25.6	µg/L	EPA 625	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/6/2015	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2014/15-5	Lab	srgt LCS	6/6/2015	Organic	2-Fluorophenol	n/a	=	22.9	µg/L	EPA 625	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/6/2015	Organic	2-Fluorophenol	n/a	=	46	%	EPA 625	-88	-88	3	74	
2014/15-5	ME-CC	srgt environ	6/3/2015	Organic	2-Fluorophenol	n/a	=	5.46	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/3/2015	Organic	2-Fluorophenol	n/a	=	55	%	EPA 8270Cm	-88	-88	11	62	
2014/15-5	ME-CC	srgt environ	6/6/2015	Organic	2-Fluorophenol	n/a	=	22.6	µg/L	EPA 625	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/6/2015	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2014/15-5	ME-SCR	srgt environ	6/3/2015	Organic	2-Fluorophenol	n/a	=	4.92	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/3/2015	Organic	2-Fluorophenol	n/a	=	49	%	EPA 8270Cm	-88	-88	11	62	
2014/15-5	ME-SCR	srgt matrix spike	6/6/2015	Organic	2-Fluorophenol	n/a	=	22.4	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike, rec	6/6/2015	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2014/15-5	ME-SCR	srgt matrix spike dup	6/6/2015	Organic	2-Fluorophenol	n/a	=	22.4	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike dup, rec	6/6/2015	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2014/15-5	ME-SCR	srgt environ	6/6/2015	Organic	2-Fluorophenol	n/a	=	22.2	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/6/2015	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2014/15-5	ME-VR2	srgt environ	6/3/2015	Organic	2-Fluorophenol	n/a	=	5.59	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/3/2015	Organic	2-Fluorophenol	n/a	=	56	%	EPA 8270Cm	-88	-88	11	62	
2014/15-5	ME-VR2	srgt environ	6/6/2015	Organic	2-Fluorophenol	n/a	=	24.4	µg/L	EPA 625	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/6/2015	Organic	2-Fluorophenol	n/a	=	49	%	EPA 625	-88	-88	3	74	
2014/15-5	MO-CAM	srgt environ	6/3/2015	Organic	2-Fluorophenol	n/a	=	4.8	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/3/2015	Organic	2-Fluorophenol	n/a	=	48	%	EPA 8270Cm	-88	-88	11	62	
2014/15-5	MO-CAM	srgt environ	6/6/2015	Organic	2-Fluorophenol	n/a	=	25.1	µg/L	EPA 625	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/6/2015	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625	-88	-88	3	74	
2014/15-5	MO-FIL	srgt environ	6/3/2015	Organic	2-Fluorophenol	n/a	=	5.95	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/3/2015	Organic	2-Fluorophenol	n/a	=	60	%	EPA 8270Cm	-88	-88	11	62	
2014/15-5	MO-FIL	srgt environ	6/6/2015	Organic	2-Fluorophenol	n/a	=	33.5	µg/L	EPA 625	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/6/2015	Organic	2-Fluorophenol	n/a	=	67	%	EPA 625	-88	-88	3	74	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	MO-SIM	srgt environ	6/3/2015	Organic	2-Fluorophenol	n/a	=	4.9	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/3/2015	Organic	2-Fluorophenol	n/a	=	49	%	EPA 8270Cm	-88	-88	11	62	
2014/15-5	MO-SIM	srgt environ	6/6/2015	Organic	2-Fluorophenol	n/a	=	23.9	µg/L	EPA 625	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/6/2015	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2014/15-5	MO-SPA	srgt environ	6/3/2015	Organic	2-Fluorophenol	n/a	=	4.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/3/2015	Organic	2-Fluorophenol	n/a	=	43	%	EPA 8270Cm	-88	-88	11	62	
2014/15-5	MO-SPA	srgt environ	6/6/2015	Organic	2-Fluorophenol	n/a	=	21	µg/L	EPA 625	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/6/2015	Organic	2-Fluorophenol	n/a	=	42	%	EPA 625	-88	-88	3	74	
2014/15-5	MO-THO	srgt environ	6/3/2015	Organic	2-Fluorophenol	n/a	=	5	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/3/2015	Organic	2-Fluorophenol	n/a	=	50	%	EPA 8270Cm	-88	-88	11	62	
2014/15-5	MO-THO	srgt environ	6/6/2015	Organic	2-Fluorophenol	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/6/2015	Organic	2-Fluorophenol	n/a	=	33	%	EPA 625	-88	-88	3	74	
2014/15-5	Lab	method blank	6/1/2015	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	method blank	6/2/2015	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1			
2014/15-5	Lab	method blank	6/2/2015	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1			
2014/15-5	Lab	LCS	6/3/2015	Organic	2-Nitrophenol	n/a	=	7.08	µg/L	EPA 8270Cm	0.71	1			
2014/15-5	Lab	LCS, rec	6/3/2015	Organic	2-Nitrophenol	n/a	=	71	%	EPA 8270Cm	-88	-88	33	103	
2014/15-5	Lab	LCS dup	6/3/2015	Organic	2-Nitrophenol	n/a	=	7.32	µg/L	EPA 8270Cm	0.71	1			
2014/15-5	Lab	LCS dup, rec	6/3/2015	Organic	2-Nitrophenol	n/a	=	73	%	EPA 8270Cm	-88	-88	33	103	
2014/15-5	Lab	LCS, RPD	6/3/2015	Organic	2-Nitrophenol	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	2-Nitrophenol	n/a	=	18.9	µg/L	EPA 625	0.26	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	2-Nitrophenol	n/a	=	76	%	EPA 625	-88	-88	29	182	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	2-Nitrophenol	n/a	=	20.2	µg/L	EPA 625	0.26	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	2-Nitrophenol	n/a	=	81	%	EPA 625	-88	-88	29	182	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	2-Nitrophenol	n/a	=	18.8	µg/L	EPA 625	0.26	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	2-Nitrophenol	n/a	=	75	%	EPA 625	-88	-88	29	182	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	2-Nitrophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2014/15-5	Lab	LCS	6/6/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	6.89	µg/L	EPA 625	1.2	5			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	28	%	EPA 625	-88	-88	0.1	262	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	9.01	µg/L	EPA 625	1.2	5			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	36	%	EPA 625	-88	-88	0.1	262	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	10.1	µg/L	EPA 625	1.2	5			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	41	%	EPA 625	-88	-88	0.1	262	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-5	Lab	method blank	6/2/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1			
2014/15-5	Lab	LCS	6/3/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.99	µg/L	EPA 8270Cm	0.14	1			
2014/15-5	Lab	LCS, rec	6/3/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	100	%	EPA 8270Cm	-88	-88	33	118	
2014/15-5	Lab	LCS dup	6/3/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9.21	µg/L	EPA 8270Cm	0.14	1			
2014/15-5	Lab	LCS dup, rec	6/3/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	92	%	EPA 8270Cm	-88	-88	33	118	
2014/15-5	Lab	LCS, RPD	6/3/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2014/15-5	Lab	LCS	6/6/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	20.3	µg/L	EPA 625	1.7	5			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	81	%	EPA 625	-88	-88	0.1	181	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	25.6	µg/L	EPA 625	1.7	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	102	%	EPA 625	-88	-88	0.1	181	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	25.3	µg/L	EPA 625	1.7	5			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	101	%	EPA 625	-88	-88	0.1	181	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	srgt LCS	5/18/2015	Organic	4-Bromofluorobenzene	n/a	=	51.9	µg/L	EPA 624	-88	-88			
2014/15-5	Lab	srgt LCS, rec	5/18/2015	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2014/15-5	Lab	srgt LCS dup	5/18/2015	Organic	4-Bromofluorobenzene	n/a	=	51.8	µg/L	EPA 624	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	5/18/2015	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2014/15-5	Lab	srgt method blank	5/18/2015	Organic	4-Bromofluorobenzene	n/a	=	49.9	µg/L	EPA 624	-88	-88			
2014/15-5	Lab	srgt method blank, rec	5/18/2015	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 624	-88	-88	88	108	
2014/15-5	Lab	srgt method blank	5/20/2015	Organic	4-Bromofluorobenzene	n/a	=	50	µg/L	EPA 8015B	-88	-88			
2014/15-5	Lab	srgt method blank, rec	5/20/2015	Organic	4-Bromofluorobenzene	n/a	=	100	%	EPA 8015B	-88	-88	72	124	
2014/15-5	Lab	srgt LCS	5/20/2015	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015B	-88	-88			
2014/15-5	Lab	srgt LCS, rec	5/20/2015	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015B	-88	-88	72	124	
2014/15-5	Lab	srgt LCS dup	5/20/2015	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 8015B	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	5/20/2015	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 8015B	-88	-88	72	124	
2014/15-5	ME-CC	srgt environ	5/18/2015	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 624	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	5/18/2015	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2014/15-5	ME-CC	srgt environ	5/20/2015	Organic	4-Bromofluorobenzene	n/a	=	45	µg/L	EPA 8015B	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	5/20/2015	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 8015B	-88	-88	72	124	
2014/15-5	ME-SCR	srgt environ	5/18/2015	Organic	4-Bromofluorobenzene	n/a	=	48.9	µg/L	EPA 624	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	5/18/2015	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2014/15-5	ME-SCR	srgt matrix spike	5/19/2015	Organic	4-Bromofluorobenzene	n/a	=	51.7	µg/L	EPA 624	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike, rec	5/19/2015	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2014/15-5	ME-SCR	srgt matrix spike dup	5/19/2015	Organic	4-Bromofluorobenzene	n/a	=	52	µg/L	EPA 624	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike dup, rec	5/19/2015	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2014/15-5	ME-SCR	srgt environ	5/20/2015	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 8015B	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	5/20/2015	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 8015B	-88	-88	72	124	
2014/15-5	ME-VR2	srgt environ	5/18/2015	Organic	4-Bromofluorobenzene	n/a	=	48.9	µg/L	EPA 624	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	5/18/2015	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2014/15-5	ME-VR2	srgt environ	5/20/2015	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015B	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	5/20/2015	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015B	-88	-88	72	124	
2014/15-5	Lab	method blank	6/6/2015	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	17.9	µg/L	EPA 625	0.36	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	72	%	EPA 625	-88	-88	53	127	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	21	µg/L	EPA 625	0.36	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	84	%	EPA 625	-88	-88	53	127	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	20.1	µg/L	EPA 625	0.36	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	80	%	EPA 625	-88	-88	53	127	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1			
2014/15-5	Lab	LCS	6/3/2015	Organic	4-Chloro-3-methylphenol	n/a	=	7.39	µg/L	EPA 8270Cm	0.37	1			
2014/15-5	Lab	LCS, rec	6/3/2015	Organic	4-Chloro-3-methylphenol	n/a	=	74	%	EPA 8270Cm	-88	-88	29	108	
2014/15-5	Lab	LCS dup	6/3/2015	Organic	4-Chloro-3-methylphenol	n/a	=	7.35	µg/L	EPA 8270Cm	0.37	1			
2014/15-5	Lab	LCS dup, rec	6/3/2015	Organic	4-Chloro-3-methylphenol	n/a	=	74	%	EPA 8270Cm	-88	-88	29	108	
2014/15-5	Lab	LCS, RPD	6/3/2015	Organic	4-Chloro-3-methylphenol	n/a	=	0.5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS	6/6/2015	Organic	4-Chloro-3-methylphenol	n/a	=	18	µg/L	EPA 625	0.23	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	4-Chloro-3-methylphenol	n/a	=	72	%	EPA 625	-88	-88	22	147	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	4-Chloro-3-methylphenol	n/a	=	19.7	µg/L	EPA 625	0.23	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	4-Chloro-3-methylphenol	n/a	=	79	%	EPA 625	-88	-88	22	147	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	4-Chloro-3-methylphenol	n/a	=	18.9	µg/L	EPA 625	0.23	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	4-Chloro-3-methylphenol	n/a	=	76	%	EPA 625	-88	-88	22	147	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	4-Chloro-3-methylphenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.4	µg/L	EPA 625	0.41	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	78	%	EPA 625	-88	-88	25	158	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	22.8	µg/L	EPA 625	0.41	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	91	%	EPA 625	-88	-88	25	158	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	22.1	µg/L	EPA 625	0.41	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	88	%	EPA 625	-88	-88	25	158	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-5	Lab	LCS	6/3/2015	Organic	4-Nitrophenol	n/a	=	4.01	µg/L	EPA 8270Cm	1	2			
2014/15-5	Lab	LCS, rec	6/3/2015	Organic	4-Nitrophenol	n/a	=	40	%	EPA 8270Cm	-88	-88	6	46	
2014/15-5	Lab	LCS dup	6/3/2015	Organic	4-Nitrophenol	n/a	=	3.64	µg/L	EPA 8270Cm	1	2			
2014/15-5	Lab	LCS dup, rec	6/3/2015	Organic	4-Nitrophenol	n/a	=	36	%	EPA 8270Cm	-88	-88	6	46	
2014/15-5	Lab	LCS, RPD	6/3/2015	Organic	4-Nitrophenol	n/a	=	10	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-5	Lab	LCS	6/6/2015	Organic	4-Nitrophenol	n/a	=	7.61	µg/L	EPA 625	0.45	5			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	4-Nitrophenol	n/a	=	30	%	EPA 625	-88	-88	0.1	132	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	4-Nitrophenol	n/a	=	9.13	µg/L	EPA 625	0.45	5			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	4-Nitrophenol	n/a	=	37	%	EPA 625	-88	-88	0.1	132	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	4-Nitrophenol	n/a	=	9.36	µg/L	EPA 625	0.45	5			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	4-Nitrophenol	n/a	=	37	%	EPA 625	-88	-88	0.1	132	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	4-Nitrophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Acenaphthene	n/a	=	7.85	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Acenaphthene	n/a	=	78	%	EPA 8270Cm	-88	-88	11	122	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Acenaphthene	n/a	=	7.84	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Acenaphthene	n/a	=	78	%	EPA 8270Cm	-88	-88	11	122	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Acenaphthene	n/a	=	0.1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Acenaphthene	n/a	=	19.9	µg/L	EPA 625	0.38	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Acenaphthene	n/a	=	80	%	EPA 625	-88	-88	47	145	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Acenaphthene	n/a	=	23.4	µg/L	EPA 625	0.38	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Acenaphthene	n/a	=	93	%	EPA 625	-88	-88	47	145	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Acenaphthene	n/a	=	21.8	µg/L	EPA 625	0.38	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Acenaphthene	n/a	=	87	%	EPA 625	-88	-88	47	145	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Acenaphthene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Acenaphthylene	n/a	=	7.86	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Acenaphthylene	n/a	=	79	%	EPA 8270Cm	-88	-88	4	135	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Acenaphthylene	n/a	=	7.77	µg/L	EPA 8270Cm	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Acenaphthylene	n/a	=	78	%	EPA 8270Cm	-88	-88	4	135	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Acenaphthylene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Acenaphthylene	n/a	=	20.5	µg/L	EPA 625	0.4	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Acenaphthylene	n/a	=	82	%	EPA 625	-88	-88	33	145	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Acenaphthylene	n/a	=	23.1	µg/L	EPA 625	0.4	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Acenaphthylene	n/a	=	92	%	EPA 625	-88	-88	33	145	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Acenaphthylene	n/a	=	21.5	µg/L	EPA 625	0.4	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Acenaphthylene	n/a	=	86	%	EPA 625	-88	-88	33	145	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Acenaphthylene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Anthracene	n/a	=	8.38	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Anthracene	n/a	=	84	%	EPA 8270Cm	-88	-88	22	127	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Anthracene	n/a	=	8.28	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Anthracene	n/a	=	83	%	EPA 8270Cm	-88	-88	22	127	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Anthracene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Anthracene	n/a	=	20.2	µg/L	EPA 625	0.34	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Anthracene	n/a	=	81	%	EPA 625	-88	-88	27	133	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Anthracene	n/a	=	22	µg/L	EPA 625	0.34	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Anthracene	n/a	=	88	%	EPA 625	-88	-88	27	133	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Anthracene	n/a	=	22.1	µg/L	EPA 625	0.34	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Anthracene	n/a	=	89	%	EPA 625	-88	-88	27	133	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Anthracene	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Benz(a)anthracene	n/a	=	9.3	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Benz(a)anthracene	n/a	=	93	%	EPA 8270Cm	-88	-88	17	131	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Benz(a)anthracene	n/a	=	9.06	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Benz(a)anthracene	n/a	=	91	%	EPA 8270Cm	-88	-88	17	131	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Benz(a)anthracene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Benz(a)anthracene	n/a	=	24.8	µg/L	EPA 625	0.19	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Benz(a)anthracene	n/a	=	99	%	EPA 625	-88	-88	33	143	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Benz(a)anthracene	n/a	=	27.3	µg/L	EPA 625	0.19	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Benz(a)anthracene	n/a	=	109	%	EPA 625	-88	-88	33	143	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Benz(a)anthracene	n/a	=	26.8	µg/L	EPA 625	0.19	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Benz(a)anthracene	n/a	=	107	%	EPA 625	-88	-88	33	143	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Benz(a)anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2014/15-5	Lab	method blank	5/30/2015	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-5	Lab	LCS	5/30/2015	Organic	Benzo(a)pyrene	n/a	=	4.19	µg/L	EPA 525.2	0.07	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Organic	Benzo(a)pyrene	n/a	=	84	%	EPA 525.2	-88	-88	40	147	
2014/15-5	Lab	LCS dup	5/30/2015	Organic	Benzo(a)pyrene	n/a	=	4.31	µg/L	EPA 525.2	0.07	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Organic	Benzo(a)pyrene	n/a	=	86	%	EPA 525.2	-88	-88	40	147	
2014/15-5	Lab	LCS, RPD	5/30/2015	Organic	Benzo(a)pyrene	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Benzo(a)pyrene	n/a	=	8.62	µg/L	EPA 8270Cm	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Benzo(a)pyrene	n/a	=	86	%	EPA 8270Cm	-88	-88	12	131	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Benzo(a)pyrene	n/a	=	8.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Benzo(a)pyrene	n/a	=	81	%	EPA 8270Cm	-88	-88	12	131	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Benzo(a)pyrene	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-5	Lab	LCS	6/2/2015	Organic	Benzo(a)pyrene	n/a	=	3.62	µg/L	EPA 525.2	0.07	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Organic	Benzo(a)pyrene	n/a	=	72	%	EPA 525.2	-88	-88	40	147	
2014/15-5	Lab	LCS dup	6/2/2015	Organic	Benzo(a)pyrene	n/a	=	3.95	µg/L	EPA 525.2	0.07	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Organic	Benzo(a)pyrene	n/a	=	79	%	EPA 525.2	-88	-88	40	147	
2014/15-5	Lab	LCS, RPD	6/2/2015	Organic	Benzo(a)pyrene	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Benzo(a)pyrene	n/a	=	15.9	µg/L	EPA 625	0.13	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Benzo(a)pyrene	n/a	=	64	%	EPA 625	-88	-88	17	163	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Benzo(a)pyrene	n/a	=	17.7	µg/L	EPA 625	0.13	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Benzo(a)pyrene	n/a	=	71	%	EPA 625	-88	-88	17	163	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Benzo(a)pyrene	n/a	=	18	µg/L	EPA 625	0.13	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Benzo(a)pyrene	n/a	=	72	%	EPA 625	-88	-88	17	163	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Benzo(b)fluoranthene	n/a	=	8.58	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Benzo(b)fluoranthene	n/a	=	86	%	EPA 8270Cm	-88	-88	19	129	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Benzo(b)fluoranthene	n/a	=	8.07	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Benzo(b)fluoranthene	n/a	=	81	%	EPA 8270Cm	-88	-88	19	129	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Benzo(b)fluoranthene	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Benzo(b)fluoranthene	n/a	=	19.4	µg/L	EPA 625	0.14	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Benzo(b)fluoranthene	n/a	=	78	%	EPA 625	-88	-88	24	159	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Benzo(b)fluoranthene	n/a	=	20.4	µg/L	EPA 625	0.14	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Benzo(b)fluoranthene	n/a	=	82	%	EPA 625	-88	-88	24	159	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Benzo(b)fluoranthene	n/a	=	21.6	µg/L	EPA 625	0.14	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Benzo(b)fluoranthene	n/a	=	86	%	EPA 625	-88	-88	24	159	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Benzo(b)fluoranthene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Benzo(g,h,i)perylene	n/a	=	8.85	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Benzo(g,h,i)perylene	n/a	=	88	%	EPA 8270Cm	-88	-88	14	139	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Benzo(g,h,i)perylene	n/a	=	8.49	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Benzo(g,h,i)perylene	n/a	=	85	%	EPA 8270Cm	-88	-88	14	139	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Benzo(g,h,i)perylene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-5	Lab	LCS	6/6/2015	Organic	Benzo(g,h,i)perylene	n/a	=	15	µg/L	EPA 625	0.1	2			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Benzo(g,h,i)perylene	n/a	=	60	%	EPA 625	-88	-88	0.1	219	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Benzo(g,h,i)perylene	n/a	=	16.5	µg/L	EPA 625	0.1	2			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Benzo(g,h,i)perylene	n/a	=	66	%	EPA 625	-88	-88	0.1	219	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Benzo(g,h,i)perylene	n/a	=	17.1	µg/L	EPA 625	0.1	2			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Benzo(g,h,i)perylene	n/a	=	68	%	EPA 625	-88	-88	0.1	219	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Benzo(g,h,i)perylene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS	6/1/2015	Organic	Benzo(k)fluoranthene	n/a	=	9.3	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Benzo(k)fluoranthene	n/a	=	93	%	EPA 8270Cm	-88	-88	22	127	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Benzo(k)fluoranthene	n/a	=	8.74	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Benzo(k)fluoranthene	n/a	=	87	%	EPA 8270Cm	-88	-88	22	127	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Benzo(k)fluoranthene	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Benzo(k)fluoranthene	n/a	=	20.2	µg/L	EPA 625	0.22	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Benzo(k)fluoranthene	n/a	=	81	%	EPA 625	-88	-88	11	162	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Benzo(k)fluoranthene	n/a	=	21.5	µg/L	EPA 625	0.22	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Benzo(k)fluoranthene	n/a	=	86	%	EPA 625	-88	-88	11	162	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Benzo(k)fluoranthene	n/a	=	21	µg/L	EPA 625	0.22	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Benzo(k)fluoranthene	n/a	=	84	%	EPA 625	-88	-88	11	162	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Benzo(k)fluoranthene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.9	µg/L	EPA 625	0.25	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	80	%	EPA 625	-88	-88	33	184	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	20.8	µg/L	EPA 625	0.25	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	83	%	EPA 625	-88	-88	33	184	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	20.2	µg/L	EPA 625	0.25	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	81	%	EPA 625	-88	-88	33	184	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	18.5	µg/L	EPA 625	0.27	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	74	%	EPA 625	-88	-88	12	158	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	19.4	µg/L	EPA 625	0.27	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	78	%	EPA 625	-88	-88	12	158	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	18.8	µg/L	EPA 625	0.27	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	75	%	EPA 625	-88	-88	12	158	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	19.6	µg/L	EPA 625	0.38	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	79	%	EPA 625	-88	-88	36	166	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	21.3	µg/L	EPA 625	0.38	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	85	%	EPA 625	-88	-88	36	166	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20.3	µg/L	EPA 625	0.38	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	81	%	EPA 625	-88	-88	36	166	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	5/30/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-5	Lab	LCS	5/30/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6.06	µg/L	EPA 525.2	0.1	5			
2014/15-5	Lab	LCS, rec	5/30/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	121	%	EPA 525.2	-88	-88	71	158	
2014/15-5	Lab	LCS dup	5/30/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6.31	µg/L	EPA 525.2	0.1	5			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	126	%	EPA 525.2	-88	-88	71	158	
2014/15-5	Lab	LCS, RPD	5/30/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-5	Lab	LCS	6/2/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.84	µg/L	EPA 525.2	0.1	5			
2014/15-5	Lab	LCS, rec	6/2/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	117	%	EPA 525.2	-88	-88	71	158	
2014/15-5	Lab	LCS dup	6/2/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.66	µg/L	EPA 525.2	0.1	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS dup, rec	6/2/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	113	%	EPA 525.2	-88	-88	71	158	
2014/15-5	Lab	LCS, RPD	6/2/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	5/30/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-5	Lab	LCS	5/30/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.64	µg/L	EPA 525.2	1.1	3			
2014/15-5	Lab	LCS, rec	5/30/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	133	%	EPA 525.2	-88	-88	68	154	
2014/15-5	Lab	LCS dup	5/30/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.66	µg/L	EPA 525.2	1.1	3			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	133	%	EPA 525.2	-88	-88	68	154	
2014/15-5	Lab	LCS, RPD	5/30/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-5	Lab	LCS	6/2/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.02	µg/L	EPA 525.2	1.1	3			
2014/15-5	Lab	LCS, rec	6/2/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	120	%	EPA 525.2	-88	-88	68	154	
2014/15-5	Lab	LCS dup	6/2/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.88	µg/L	EPA 525.2	1.1	3			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	118	%	EPA 525.2	-88	-88	68	154	
2014/15-5	Lab	LCS, RPD	6/2/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2014/15-5	Lab	LCS	6/6/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	27.6	µg/L	EPA 625	2.3	5			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	110	%	EPA 625	-88	-88	8	158	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	28.1	µg/L	EPA 625	2.3	5			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	112	%	EPA 625	-88	-88	8	158	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	27.6	µg/L	EPA 625	2.3	5			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	110	%	EPA 625	-88	-88	8	158	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Butyl benzyl phthalate	n/a	=	25.4	µg/L	EPA 625	0.18	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Butyl benzyl phthalate	n/a	=	102	%	EPA 625	-88	-88	0.1	152	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Butyl benzyl phthalate	n/a	=	28.2	µg/L	EPA 625	0.18	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Butyl benzyl phthalate	n/a	=	113	%	EPA 625	-88	-88	0.1	152	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Butyl benzyl phthalate	n/a	=	27.5	µg/L	EPA 625	0.18	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Butyl benzyl phthalate	n/a	=	110	%	EPA 625	-88	-88	0.1	152	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Butyl benzyl phthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Chrysene	n/a	=	8.84	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Chrysene	n/a	=	88	%	EPA 8270Cm	-88	-88	32	126	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Chrysene	n/a	=	8.25	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Chrysene	n/a	=	82	%	EPA 8270Cm	-88	-88	32	126	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Chrysene	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Chrysene	n/a	=	21	µg/L	EPA 625	0.19	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Chrysene	n/a	=	84	%	EPA 625	-88	-88	17	168	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Chrysene	n/a	=	22.7	µg/L	EPA 625	0.19	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Chrysene	n/a	=	91	%	EPA 625	-88	-88	17	168	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Chrysene	n/a	=	23.3	µg/L	EPA 625	0.19	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Chrysene	n/a	=	93	%	EPA 625	-88	-88	17	168	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Chrysene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Dibenz(a,h)anthracene	n/a	=	8.71	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Dibenz(a,h)anthracene	n/a	=	87	%	EPA 8270Cm	-88	-88	9	147	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Dibenz(a,h)anthracene	n/a	=	8.36	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Dibenz(a,h)anthracene	n/a	=	84	%	EPA 8270Cm	-88	-88	9	147	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Dibenz(a,h)anthracene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-5	Lab	LCS	6/6/2015	Organic	Dibenz(a,h)anthracene	n/a	=	16.2	µg/L	EPA 625	0.08	2			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Dibenz(a,h)anthracene	n/a	=	65	%	EPA 625	-88	-88	0.1	227	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Dibenz(a,h)anthracene	n/a	=	18	µg/L	EPA 625	0.08	2			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Dibenz(a,h)anthracene	n/a	=	72	%	EPA 625	-88	-88	0.1	227	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Dibenz(a,h)anthracene	n/a	=	18.6	µg/L	EPA 625	0.08	2			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Dibenz(a,h)anthracene	n/a	=	75	%	EPA 625	-88	-88	0.1	227	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Dibenz(a,h)anthracene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Diethyl phthalate	n/a	=	18.6	µg/L	EPA 625	0.15	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Diethyl phthalate	n/a	=	74	%	EPA 625	-88	-88	0.1	114	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Diethyl phthalate	n/a	=	23.5	µg/L	EPA 625	0.15	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Diethyl phthalate	n/a	=	93	%	EPA 625	-88	-88	0.1	114	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Diethyl phthalate	n/a	=	23.5	µg/L	EPA 625	0.15	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Diethyl phthalate	n/a	=	93	%	EPA 625	-88	-88	0.1	114	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Diethyl phthalate	n/a	=	0.1	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Dimethyl phthalate	n/a	=	21.7	µg/L	EPA 625	0.18	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Dimethyl phthalate	n/a	=	87	%	EPA 625	-88	-88	0.1	112	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Dimethyl phthalate	n/a	=	25.2	µg/L	EPA 625	0.18	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Dimethyl phthalate	n/a	=	101	%	EPA 625	-88	-88	0.1	112	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Dimethyl phthalate	n/a	=	24	µg/L	EPA 625	0.18	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Dimethyl phthalate	n/a	=	96	%	EPA 625	-88	-88	0.1	112	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Dimethyl phthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Di-n-butylphthalate	n/a	=	20.3	µg/L	EPA 625	0.24	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Di-n-butylphthalate	n/a	=	81	%	EPA 625	-88	-88	1	118	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Di-n-butylphthalate	n/a	=	22.6	µg/L	EPA 625	0.24	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Di-n-butylphthalate	n/a	=	90	%	EPA 625	-88	-88	1	118	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Di-n-butylphthalate	n/a	=	22.9	µg/L	EPA 625	0.24	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Di-n-butylphthalate	n/a	=	92	%	EPA 625	-88	-88	1	118	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Di-n-butylphthalate	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Di-n-octylphthalate	n/a	=	23.8	µg/L	EPA 625	0.19	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Di-n-octylphthalate	n/a	=	95	%	EPA 625	-88	-88	4	146	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Di-n-octylphthalate	n/a	=	25.4	µg/L	EPA 625	0.19	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Di-n-octylphthalate	n/a	=	102	%	EPA 625	-88	-88	4	146	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Di-n-octylphthalate	n/a	=	25.6	µg/L	EPA 625	0.19	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Di-n-octylphthalate	n/a	=	102	%	EPA 625	-88	-88	4	146	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Di-n-octylphthalate	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Fluoranthene	n/a	=	8.91	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Fluoranthene	n/a	=	89	%	EPA 8270Cm	-88	-88	22	131	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Fluoranthene	n/a	=	8.62	µg/L	EPA 8270Cm	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Fluoranthene	n/a	=	86	%	EPA 8270Cm	-88	-88	22	131	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Fluoranthene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Fluoranthene	n/a	=	22.5	µg/L	EPA 625	0.22	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Fluoranthene	n/a	=	90	%	EPA 625	-88	-88	26	137	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Fluoranthene	n/a	=	24.6	µg/L	EPA 625	0.22	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Fluoranthene	n/a	=	98	%	EPA 625	-88	-88	26	137	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Fluoranthene	n/a	=	24.5	µg/L	EPA 625	0.22	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Fluoranthene	n/a	=	98	%	EPA 625	-88	-88	26	137	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Fluoranthene	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Fluorene	n/a	=	7.48	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Fluorene	n/a	=	75	%	EPA 8270Cm	-88	-88	19	122	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Fluorene	n/a	=	7.66	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Fluorene	n/a	=	77	%	EPA 8270Cm	-88	-88	19	122	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Fluorene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Fluorene	n/a	=	19.3	µg/L	EPA 625	0.35	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Fluorene	n/a	=	77	%	EPA 625	-88	-88	59	121	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Fluorene	n/a	=	23	µg/L	EPA 625	0.35	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Fluorene	n/a	=	92	%	EPA 625	-88	-88	59	121	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Fluorene	n/a	=	22.2	µg/L	EPA 625	0.35	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Fluorene	n/a	=	89	%	EPA 625	-88	-88	59	121	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Fluorene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Hexachlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.49	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Hexachlorobenzene	n/a	=	69	%	EPA 625	-88	-88	0.1	152	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Hexachlorobenzene	n/a	=	20.2	µg/L	EPA 625	0.49	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Hexachlorobenzene	n/a	=	81	%	EPA 625	-88	-88	0.1	152	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Hexachlorobenzene	n/a	=	19.8	µg/L	EPA 625	0.49	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Hexachlorobenzene	n/a	=	79	%	EPA 625	-88	-88	0.1	152	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Hexachlorobenzene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Hexachlorobutadiene	n/a	=	19.1	µg/L	EPA 625	0.47	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Hexachlorobutadiene	n/a	=	76	%	EPA 625	-88	-88	24	116	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Hexachlorobutadiene	n/a	=	20.6	µg/L	EPA 625	0.47	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Hexachlorobutadiene	n/a	=	82	%	EPA 625	-88	-88	24	116	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Hexachlorobutadiene	n/a	=	19.2	µg/L	EPA 625	0.47	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Hexachlorobutadiene	n/a	=	77	%	EPA 625	-88	-88	24	116	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Hexachlorobutadiene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-5	Lab	LCS	6/6/2015	Organic	Hexachlorocyclopentadiene	n/a	=	11.6	µg/L	EPA 625	1.5	5			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Hexachlorocyclopentadiene	n/a	=	47	%	EPA 625	-88	-88	0.1	81	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Hexachlorocyclopentadiene	n/a	=	13.3	µg/L	EPA 625	1.5	5			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Hexachlorocyclopentadiene	n/a	=	53	%	EPA 625	-88	-88	10	80	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Hexachlorocyclopentadiene	n/a	=	11.8	µg/L	EPA 625	1.5	5			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Hexachlorocyclopentadiene	n/a	=	47	%	EPA 625	-88	-88	10	80	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Hexachlorocyclopentadiene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Hexachloroethane	n/a	=	17.2	µg/L	EPA 625	0.52	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Hexachloroethane	n/a	=	69	%	EPA 625	-88	-88	40	113	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Hexachloroethane	n/a	=	17.8	µg/L	EPA 625	0.52	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Hexachloroethane	n/a	=	71	%	EPA 625	-88	-88	40	113	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Hexachloroethane	n/a	=	17.1	µg/L	EPA 625	0.52	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Hexachloroethane	n/a	=	68	%	EPA 625	-88	-88	40	113	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Hexachloroethane	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/1/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	7.33	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	73	%	EPA 8270Cm	-88	-88	12	136	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	7.08	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	71	%	EPA 8270Cm	-88	-88	12	136	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-5	Lab	LCS	6/6/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	16.5	µg/L	EPA 625	0.12	2			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	66	%	EPA 625	-88	-88	0.1	171	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	17.6	µg/L	EPA 625	0.12	2			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	71	%	EPA 625	-88	-88	0.1	171	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	18.4	µg/L	EPA 625	0.12	2			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	74	%	EPA 625	-88	-88	0.1	171	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Isophorone	n/a	=	18.5	µg/L	EPA 625	0.21	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Isophorone	n/a	=	74	%	EPA 625	-88	-88	21	196	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Isophorone	n/a	=	20.2	µg/L	EPA 625	0.21	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Isophorone	n/a	=	81	%	EPA 625	-88	-88	21	196	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Isophorone	n/a	=	19.1	µg/L	EPA 625	0.21	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Isophorone	n/a	=	76	%	EPA 625	-88	-88	21	196	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Isophorone	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	LCS	5/18/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	53.2	µg/L	EPA 624	0.25	1			
2014/15-5	Lab	LCS, rec	5/18/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	106	%	EPA 624	-88	-88	80	128	
2014/15-5	Lab	LCS dup	5/18/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	52.5	µg/L	EPA 624	0.25	1			
2014/15-5	Lab	LCS dup, rec	5/18/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	105	%	EPA 624	-88	-88	80	128	
2014/15-5	Lab	LCS, RPD	5/18/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	1	%	EPA 624	-88	-88	0	25	
2014/15-5	Lab	method blank	5/18/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2014/15-5	ME-SCR	matrix spike	5/19/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	47.9	µg/L	EPA 624	0.25	1			
2014/15-5	ME-SCR	matrix spike, rec	5/19/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	96	%	EPA 624	-88	-88	80	128	
2014/15-5	ME-SCR	matrix spike dup	5/19/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	47.9	µg/L	EPA 624	0.25	1			
2014/15-5	ME-SCR	matrix spike dup, rec	5/19/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	96	%	EPA 624	-88	-88	80	128	
2014/15-5	ME-SCR	matrix spike, RPD	5/19/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	0.02	%	EPA 624	-88	-88	0	25	
2014/15-5	Lab	method blank	6/1/2015	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Naphthalene	n/a	=	7.36	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Naphthalene	n/a	=	74	%	EPA 8270Cm	-88	-88	12	136	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Naphthalene	n/a	=	7.4	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Naphthalene	n/a	=	74	%	EPA 8270Cm	-88	-88	12	136	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Naphthalene	n/a	=	0.6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Naphthalene	n/a	=	18.2	µg/L	EPA 625	0.49	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Naphthalene	n/a	=	73	%	EPA 625	-88	-88	21	133	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Naphthalene	n/a	=	20.6	µg/L	EPA 625	0.49	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Naphthalene	n/a	=	82	%	EPA 625	-88	-88	21	133	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Naphthalene	n/a	=	18.4	µg/L	EPA 625	0.49	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Naphthalene	n/a	=	74	%	EPA 625	-88	-88	21	133	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Naphthalene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Nitrobenzene	n/a	=	19.7	µg/L	EPA 625	0.36	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Nitrobenzene	n/a	=	79	%	EPA 625	-88	-88	35	180	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Nitrobenzene	n/a	=	21.1	µg/L	EPA 625	0.36	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Nitrobenzene	n/a	=	84	%	EPA 625	-88	-88	35	180	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Nitrobenzene	n/a	=	19.7	µg/L	EPA 625	0.36	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Nitrobenzene	n/a	=	79	%	EPA 625	-88	-88	35	180	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Nitrobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	srgt method blank	6/1/2015	Organic	Nitrobenzene-d5	n/a	=	4.09	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/1/2015	Organic	Nitrobenzene-d5	n/a	=	82	%	EPA 8270Cm	-88	-88	51	143	
2014/15-5	Lab	srgt LCS	6/1/2015	Organic	Nitrobenzene-d5	n/a	=	3.68	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/1/2015	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 8270Cm	-88	-88	51	143	
2014/15-5	Lab	srgt LCS dup	6/1/2015	Organic	Nitrobenzene-d5	n/a	=	3.66	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	6/1/2015	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 8270Cm	-88	-88	51	143	
2014/15-5	Lab	srgt method blank	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	87	%	EPA 625	-88	-88	27	111	
2014/15-5	Lab	srgt LCS	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625	-88	-88	27	111	
2014/15-5	ME-CC	srgt environ	6/1/2015	Organic	Nitrobenzene-d5	n/a	=	4.61	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/1/2015	Organic	Nitrobenzene-d5	n/a	=	92	%	EPA 8270Cm	-88	-88	51	143	
2014/15-5	ME-CC	srgt environ	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	21.9	µg/L	EPA 625	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	87	%	EPA 625	-88	-88	27	111	
2014/15-5	ME-SCR	srgt environ	6/1/2015	Organic	Nitrobenzene-d5	n/a	=	4.14	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/1/2015	Organic	Nitrobenzene-d5	n/a	=	83	%	EPA 8270Cm	-88	-88	51	143	
2014/15-5	ME-SCR	srgt matrix spike	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike, rec	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	84	%	EPA 625	-88	-88	27	111	
2014/15-5	ME-SCR	srgt matrix spike dup	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike dup, rec	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 625	-88	-88	27	111	
2014/15-5	ME-SCR	srgt environ	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	20.2	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	81	%	EPA 625	-88	-88	27	111	
2014/15-5	ME-VR2	srgt environ	6/1/2015	Organic	Nitrobenzene-d5	n/a	=	4.45	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/1/2015	Organic	Nitrobenzene-d5	n/a	=	89	%	EPA 8270Cm	-88	-88	51	143	
2014/15-5	ME-VR2	srgt environ	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	21.2	µg/L	EPA 625	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	85	%	EPA 625	-88	-88	27	111	
2014/15-5	MO-CAM	srgt environ	6/2/2015	Organic	Nitrobenzene-d5	n/a	=	4.64	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/2/2015	Organic	Nitrobenzene-d5	n/a	=	93	%	EPA 8270Cm	-88	-88	51	143	
2014/15-5	MO-CAM	srgt environ	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	86	%	EPA 625	-88	-88	27	111	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	MO-FIL	srgt environ	6/2/2015	Organic	Nitrobenzene-d5	n/a	=	4.94	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/2/2015	Organic	Nitrobenzene-d5	n/a	=	99	%	EPA 8270Cm	-88	-88	51	143	
2014/15-5	MO-FIL	srgt environ	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	21.8	µg/L	EPA 625	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	87	%	EPA 625	-88	-88	27	111	
2014/15-5	MO-SIM	srgt environ	6/2/2015	Organic	Nitrobenzene-d5	n/a	=	4.7	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/2/2015	Organic	Nitrobenzene-d5	n/a	=	94	%	EPA 8270Cm	-88	-88	51	143	
2014/15-5	MO-SIM	srgt environ	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	22.7	µg/L	EPA 625	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	86	%	EPA 625	-88	-88	27	111	
2014/15-5	MO-SPA	srgt environ	6/2/2015	Organic	Nitrobenzene-d5	n/a	=	4.29	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/2/2015	Organic	Nitrobenzene-d5	n/a	=	86	%	EPA 8270Cm	-88	-88	51	143	
2014/15-5	MO-SPA	srgt environ	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	21	µg/L	EPA 625	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	84	%	EPA 625	-88	-88	27	111	
2014/15-5	MO-THO	srgt environ	6/2/2015	Organic	Nitrobenzene-d5	n/a	=	4.76	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/2/2015	Organic	Nitrobenzene-d5	n/a	=	95	%	EPA 8270Cm	-88	-88	51	143	
2014/15-5	MO-THO	srgt environ	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	15.8	µg/L	EPA 625	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/6/2015	Organic	Nitrobenzene-d5	n/a	=	63	%	EPA 625	-88	-88	27	111	
2014/15-5	Lab	method blank	6/6/2015	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	N-Nitrosodimethylamine	n/a	=	12	µg/L	EPA 625	0.14	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	N-Nitrosodimethylamine	n/a	=	48	%	EPA 625	-88	-88	15	59	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	N-Nitrosodimethylamine	n/a	=	13.4	µg/L	EPA 625	0.14	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	N-Nitrosodimethylamine	n/a	=	54	%	EPA 625	-88	-88	15	57	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	N-Nitrosodimethylamine	n/a	=	11.4	µg/L	EPA 625	0.14	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	N-Nitrosodimethylamine	n/a	=	46	%	EPA 625	-88	-88	15	57	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	N-Nitrosodimethylamine	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.6	µg/L	EPA 625	0.26	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	82	%	EPA 625	-88	-88	0.1	230	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	21	µg/L	EPA 625	0.26	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	84	%	EPA 625	-88	-88	0.1	230	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.4	µg/L	EPA 625	0.26	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	82	%	EPA 625	-88	-88	0.1	230	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	N-Nitrosodiphenylamine	n/a	=	16.2	µg/L	EPA 625	0.19	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	N-Nitrosodiphenylamine	n/a	=	65	%	EPA 625	-88	-88	42	90	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	N-Nitrosodiphenylamine	n/a	=	18.8	µg/L	EPA 625	0.19	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	N-Nitrosodiphenylamine	n/a	=	75	%	EPA 625	-88	-88	49	82	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	N-Nitrosodiphenylamine	n/a	=	18.1	µg/L	EPA 625	0.19	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	N-Nitrosodiphenylamine	n/a	=	72	%	EPA 625	-88	-88	49	82	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	N-Nitrosodiphenylamine	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	srgt method blank	5/30/2015	Organic	Perylene-d12	n/a	=	6.05	µg/L	EPA 525.2	-88	-88			GN
2014/15-5	Lab	srgt method blank, rec	5/30/2015	Organic	Perylene-d12	n/a	=	121	%	EPA 525.2	-88	-88	30	118	GN
2014/15-5	Lab	srgt LCS	5/30/2015	Organic	Perylene-d12	n/a	=	6.09	µg/L	EPA 525.2	-88	-88			GN
2014/15-5	Lab	srgt LCS, rec	5/30/2015	Organic	Perylene-d12	n/a	=	122	%	EPA 525.2	-88	-88	30	118	GN
2014/15-5	Lab	srgt LCS dup	5/30/2015	Organic	Perylene-d12	n/a	=	6.15	µg/L	EPA 525.2	-88	-88			GN
2014/15-5	Lab	srgt LCS dup, rec	5/30/2015	Organic	Perylene-d12	n/a	=	123	%	EPA 525.2	-88	-88	30	118	GN
2014/15-5	Lab	srgt method blank	6/2/2015	Organic	Perylene-d12	n/a	=	4.72	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	srgt method blank, rec	6/2/2015	Organic	Perylene-d12	n/a	=	94	%	EPA 525.2	-88	-88	30	118	
2014/15-5	Lab	srgt LCS	6/2/2015	Organic	Perylene-d12	n/a	=	5.37	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/2/2015	Organic	Perylene-d12	n/a	=	107	%	EPA 525.2	-88	-88	30	118	
2014/15-5	Lab	srgt LCS dup	6/2/2015	Organic	Perylene-d12	n/a	=	5.17	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	6/2/2015	Organic	Perylene-d12	n/a	=	103	%	EPA 525.2	-88	-88	30	118	
2014/15-5	ME-CC	srgt environ	5/30/2015	Organic	Perylene-d12	n/a	=	2.06	µg/L	EPA 525.2	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	5/30/2015	Organic	Perylene-d12	n/a	=	41	%	EPA 525.2	-88	-88	30	118	
2014/15-5	ME-SCR	srgt environ	5/30/2015	Organic	Perylene-d12	n/a	=	3.78	µg/L	EPA 525.2	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	5/30/2015	Organic	Perylene-d12	n/a	=	76	%	EPA 525.2	-88	-88	30	118	
2014/15-5	ME-VR2	srgt environ	5/30/2015	Organic	Perylene-d12	n/a	=	2.86	µg/L	EPA 525.2	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	5/30/2015	Organic	Perylene-d12	n/a	=	57	%	EPA 525.2	-88	-88	30	118	
2014/15-5	MO-CAM	srgt environ	5/30/2015	Organic	Perylene-d12	n/a	=	0.8	µg/L	EPA 525.2	-88	-88			GN
2014/15-5	MO-CAM	srgt environ, rec	5/30/2015	Organic	Perylene-d12	n/a	=	16	%	EPA 525.2	-88	-88	30	118	GN
2014/15-5	MO-FIL	srgt environ	6/3/2015	Organic	Perylene-d12	n/a	=	1.21	µg/L	EPA 525.2	-88	-88			GN
2014/15-5	MO-FIL	srgt environ, rec	6/3/2015	Organic	Perylene-d12	n/a	=	24	%	EPA 525.2	-88	-88	30	118	GN
2014/15-5	MO-SIM	srgt environ	5/30/2015	Organic	Perylene-d12	n/a	=	1.43	µg/L	EPA 525.2	-88	-88			GN
2014/15-5	MO-SIM	srgt environ, rec	5/30/2015	Organic	Perylene-d12	n/a	=	29	%	EPA 525.2	-88	-88	30	118	GN
2014/15-5	MO-SPA	srgt environ	5/30/2015	Organic	Perylene-d12	n/a	=	0.9	µg/L	EPA 525.2	-88	-88			GN
2014/15-5	MO-SPA	srgt environ, rec	5/30/2015	Organic	Perylene-d12	n/a	=	18	%	EPA 525.2	-88	-88	30	118	GN
2014/15-5	MO-THO	srgt environ	6/3/2015	Organic	Perylene-d12	n/a	=	2.32	µg/L	EPA 525.2	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/3/2015	Organic	Perylene-d12	n/a	=	46	%	EPA 525.2	-88	-88	30	118	
2014/15-5	Lab	method blank	6/1/2015	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Phenanthrene	n/a	=	8.07	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Phenanthrene	n/a	=	81	%	EPA 8270Cm	-88	-88	21	131	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Phenanthrene	n/a	=	7.86	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Phenanthrene	n/a	=	79	%	EPA 8270Cm	-88	-88	21	131	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Phenanthrene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Phenanthrene	n/a	=	21.7	µg/L	EPA 625	0.32	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Phenanthrene	n/a	=	87	%	EPA 625	-88	-88	54	120	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Phenanthrene	n/a	=	23.8	µg/L	EPA 625	0.32	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Phenanthrene	n/a	=	95	%	EPA 625	-88	-88	54	120	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Phenanthrene	n/a	=	23.9	µg/L	EPA 625	0.32	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Phenanthrene	n/a	=	96	%	EPA 625	-88	-88	54	120	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Phenanthrene	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1			
2014/15-5	Lab	LCS	6/3/2015	Organic	Phenol	n/a	=	3.25	µg/L	EPA 8270Cm	0.35	1			
2014/15-5	Lab	LCS, rec	6/3/2015	Organic	Phenol	n/a	=	32	%	EPA 8270Cm	-88	-88	6	43	
2014/15-5	Lab	LCS dup	6/3/2015	Organic	Phenol	n/a	=	3.28	µg/L	EPA 8270Cm	0.35	1			
2014/15-5	Lab	LCS dup, rec	6/3/2015	Organic	Phenol	n/a	=	33	%	EPA 8270Cm	-88	-88	6	43	
2014/15-5	Lab	LCS, RPD	6/3/2015	Organic	Phenol	n/a	=	0.9	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Phenol	n/a	=	7.94	µg/L	EPA 625	0.16	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Phenol	n/a	=	32	%	EPA 625	-88	-88	5	112	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Phenol	n/a	=	8.15	µg/L	EPA 625	0.16	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Phenol	n/a	=	33	%	EPA 625	-88	-88	5	112	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Phenol	n/a	=	7.99	µg/L	EPA 625	0.16	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Phenol	n/a	=	32	%	EPA 625	-88	-88	5	112	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Phenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-5	Lab	srgt method blank	6/2/2015	Organic	Phenol-d5	n/a	=	3.49	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/2/2015	Organic	Phenol-d5	n/a	=	35	%	EPA 8270Cm	-88	-88	5	46	
2014/15-5	Lab	srgt LCS	6/3/2015	Organic	Phenol-d5	n/a	=	3.21	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/3/2015	Organic	Phenol-d5	n/a	=	32	%	EPA 8270Cm	-88	-88	5	46	
2014/15-5	Lab	srgt LCS dup	6/3/2015	Organic	Phenol-d5	n/a	=	3.19	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	6/3/2015	Organic	Phenol-d5	n/a	=	32	%	EPA 8270Cm	-88	-88	5	46	
2014/15-5	Lab	srgt method blank	6/6/2015	Organic	Phenol-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/6/2015	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2014/15-5	Lab	srgt LCS	6/6/2015	Organic	Phenol-d5	n/a	=	14.6	µg/L	EPA 625	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/6/2015	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2014/15-5	ME-CC	srgt environ	6/3/2015	Organic	Phenol-d5	n/a	=	3.79	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/3/2015	Organic	Phenol-d5	n/a	=	38	%	EPA 8270Cm	-88	-88	5	46	
2014/15-5	ME-CC	srgt environ	6/6/2015	Organic	Phenol-d5	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/6/2015	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2014/15-5	ME-SCR	srgt environ	6/3/2015	Organic	Phenol-d5	n/a	=	3.26	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/3/2015	Organic	Phenol-d5	n/a	=	33	%	EPA 8270Cm	-88	-88	5	46	
2014/15-5	ME-SCR	srgt matrix spike	6/6/2015	Organic	Phenol-d5	n/a	=	15	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike, rec	6/6/2015	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2014/15-5	ME-SCR	srgt matrix spike dup	6/6/2015	Organic	Phenol-d5	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike dup, rec	6/6/2015	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2014/15-5	ME-SCR	srgt environ	6/6/2015	Organic	Phenol-d5	n/a	=	14.6	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/6/2015	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2014/15-5	ME-VR2	srgt environ	6/3/2015	Organic	Phenol-d5	n/a	=	3.78	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/3/2015	Organic	Phenol-d5	n/a	=	38	%	EPA 8270Cm	-88	-88	5	46	
2014/15-5	ME-VR2	srgt environ	6/6/2015	Organic	Phenol-d5	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/6/2015	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2014/15-5	MO-CAM	srgt environ	6/3/2015	Organic	Phenol-d5	n/a	=	2	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/3/2015	Organic	Phenol-d5	n/a	=	20	%	EPA 8270Cm	-88	-88	5	46	
2014/15-5	MO-CAM	srgt environ	6/6/2015	Organic	Phenol-d5	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/6/2015	Organic	Phenol-d5	n/a	=	35	%	EPA 625	-88	-88	0.1	53	
2014/15-5	MO-FIL	srgt environ	6/3/2015	Organic	Phenol-d5	n/a	=	3.55	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/3/2015	Organic	Phenol-d5	n/a	=	36	%	EPA 8270Cm	-88	-88	5	46	
2014/15-5	MO-FIL	srgt environ	6/6/2015	Organic	Phenol-d5	n/a	=	27.1	µg/L	EPA 625	-88	-88			GN
2014/15-5	MO-FIL	srgt environ, rec	6/6/2015	Organic	Phenol-d5	n/a	=	54	%	EPA 625	-88	-88	0.1	53	GN
2014/15-5	MO-SIM	srgt environ	6/3/2015	Organic	Phenol-d5	n/a	=	2.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/3/2015	Organic	Phenol-d5	n/a	=	23	%	EPA 8270Cm	-88	-88	5	46	
2014/15-5	MO-SIM	srgt environ	6/6/2015	Organic	Phenol-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/6/2015	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2014/15-5	MO-SPA	srgt environ	6/3/2015	Organic	Phenol-d5	n/a	=	2	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/3/2015	Organic	Phenol-d5	n/a	=	20	%	EPA 8270Cm	-88	-88	5	46	
2014/15-5	MO-SPA	srgt environ	6/6/2015	Organic	Phenol-d5	n/a	=	17.2	µg/L	EPA 625	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/6/2015	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	0.1	53	
2014/15-5	MO-THO	srgt environ	6/3/2015	Organic	Phenol-d5	n/a	=	2.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/3/2015	Organic	Phenol-d5	n/a	=	23	%	EPA 8270Cm	-88	-88	5	46	
2014/15-5	MO-THO	srgt environ	6/6/2015	Organic	Phenol-d5	n/a	=	11.5	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	MO-THO	srgt environ, rec	6/6/2015	Organic	Phenol-d5	n/a	=	23	%	EPA 625	-88	-88	0.1	53	
2014/15-5	Lab	srgt method blank	6/1/2015	Organic	p-Terphenyl-d14	n/a	=	4.8	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/1/2015	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 8270Cm	-88	-88	19	134	
2014/15-5	Lab	srgt LCS	6/1/2015	Organic	p-Terphenyl-d14	n/a	=	5.34	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/1/2015	Organic	p-Terphenyl-d14	n/a	=	107	%	EPA 8270Cm	-88	-88	19	134	
2014/15-5	Lab	srgt LCS dup	6/1/2015	Organic	p-Terphenyl-d14	n/a	=	5.12	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	6/1/2015	Organic	p-Terphenyl-d14	n/a	=	102	%	EPA 8270Cm	-88	-88	19	134	
2014/15-5	Lab	srgt method blank	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	27	µg/L	EPA 625	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	108	%	EPA 625	-88	-88	28	113	
2014/15-5	Lab	srgt LCS	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	24.4	µg/L	EPA 625	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	98	%	EPA 625	-88	-88	28	113	
2014/15-5	ME-CC	srgt environ	6/1/2015	Organic	p-Terphenyl-d14	n/a	=	5.79	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/1/2015	Organic	p-Terphenyl-d14	n/a	=	116	%	EPA 8270Cm	-88	-88	19	134	
2014/15-5	ME-CC	srgt environ	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	27	µg/L	EPA 625	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	108	%	EPA 625	-88	-88	28	113	
2014/15-5	ME-SCR	srgt environ	6/1/2015	Organic	p-Terphenyl-d14	n/a	=	5.39	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/1/2015	Organic	p-Terphenyl-d14	n/a	=	108	%	EPA 8270Cm	-88	-88	19	134	
2014/15-5	ME-SCR	srgt matrix spike	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	26.6	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike, rec	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	106	%	EPA 625	-88	-88	28	113	
2014/15-5	ME-SCR	srgt matrix spike dup	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	26.6	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike dup, rec	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	106	%	EPA 625	-88	-88	28	113	
2014/15-5	ME-SCR	srgt environ	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	26	µg/L	EPA 625	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	104	%	EPA 625	-88	-88	28	113	
2014/15-5	ME-VR2	srgt environ	6/1/2015	Organic	p-Terphenyl-d14	n/a	=	5.75	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/1/2015	Organic	p-Terphenyl-d14	n/a	=	115	%	EPA 8270Cm	-88	-88	19	134	
2014/15-5	ME-VR2	srgt environ	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	26.7	µg/L	EPA 625	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	107	%	EPA 625	-88	-88	28	113	
2014/15-5	MO-CAM	srgt environ	6/2/2015	Organic	p-Terphenyl-d14	n/a	=	6.15	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/2/2015	Organic	p-Terphenyl-d14	n/a	=	123	%	EPA 8270Cm	-88	-88	19	134	
2014/15-5	MO-CAM	srgt environ	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	28.2	µg/L	EPA 625	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	113	%	EPA 625	-88	-88	28	113	
2014/15-5	MO-FIL	srgt environ	6/2/2015	Organic	p-Terphenyl-d14	n/a	=	6.56	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/2/2015	Organic	p-Terphenyl-d14	n/a	=	131	%	EPA 8270Cm	-88	-88	19	134	
2014/15-5	MO-FIL	srgt environ	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	28	µg/L	EPA 625	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	112	%	EPA 625	-88	-88	28	113	
2014/15-5	MO-SIM	srgt environ	6/2/2015	Organic	p-Terphenyl-d14	n/a	=	6.35	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/2/2015	Organic	p-Terphenyl-d14	n/a	=	127	%	EPA 8270Cm	-88	-88	19	134	
2014/15-5	MO-SIM	srgt environ	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	29.4	µg/L	EPA 625	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	112	%	EPA 625	-88	-88	28	113	
2014/15-5	MO-SPA	srgt environ	6/2/2015	Organic	p-Terphenyl-d14	n/a	=	5.66	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/2/2015	Organic	p-Terphenyl-d14	n/a	=	113	%	EPA 8270Cm	-88	-88	19	134	
2014/15-5	MO-SPA	srgt environ	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	26.1	µg/L	EPA 625	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	104	%	EPA 625	-88	-88	28	113	
2014/15-5	MO-THO	srgt environ	6/2/2015	Organic	p-Terphenyl-d14	n/a	=	5.97	µg/L	EPA 8270Cm	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/2/2015	Organic	p-Terphenyl-d14	n/a	=	119	%	EPA 8270Cm	-88	-88	19	134	
2014/15-5	MO-THO	srgt environ	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	23.7	µg/L	EPA 625	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/6/2015	Organic	p-Terphenyl-d14	n/a	=	95	%	EPA 625	-88	-88	28	113	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	method blank	6/1/2015	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS	6/1/2015	Organic	Pyrene	n/a	=	8.75	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS, rec	6/1/2015	Organic	Pyrene	n/a	=	87	%	EPA 8270Cm	-88	-88	26	128	
2014/15-5	Lab	LCS dup	6/1/2015	Organic	Pyrene	n/a	=	8.49	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-5	Lab	LCS dup, rec	6/1/2015	Organic	Pyrene	n/a	=	85	%	EPA 8270Cm	-88	-88	26	128	
2014/15-5	Lab	LCS, RPD	6/1/2015	Organic	Pyrene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-5	Lab	LCS	6/6/2015	Organic	Pyrene	n/a	=	22.1	µg/L	EPA 625	0.25	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Organic	Pyrene	n/a	=	88	%	EPA 625	-88	-88	52	115	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Organic	Pyrene	n/a	=	24.1	µg/L	EPA 625	0.25	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Organic	Pyrene	n/a	=	96	%	EPA 625	-88	-88	52	115	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Organic	Pyrene	n/a	=	24.4	µg/L	EPA 625	0.25	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Organic	Pyrene	n/a	=	98	%	EPA 625	-88	-88	52	115	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Organic	Pyrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-5	000NONPJ	srgt matrix spike	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0725	µg/L	EPA 608	-88	-88			
2014/15-5	000NONPJ	srgt matrix spike, rec	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608	-88	-88	12	117	
2014/15-5	000NONPJ	srgt matrix spike dup	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0623	µg/L	EPA 608	-88	-88			
2014/15-5	000NONPJ	srgt matrix spike dup, rec	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	62	%	EPA 608	-88	-88	12	117	
2014/15-5	Lab	srgt method blank	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0883	µg/L	EPA 608	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	88	%	EPA 608	-88	-88	12	117	
2014/15-5	Lab	srgt LCS	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0794	µg/L	EPA 608	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	79	%	EPA 608	-88	-88	12	117	
2014/15-5	ME-CC	srgt environ	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0828	µg/L	EPA 608	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	83	%	EPA 608	-88	-88	12	117	
2014/15-5	ME-SCR	srgt matrix spike	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0797	µg/L	EPA 608	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike, rec	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	80	%	EPA 608	-88	-88	12	117	
2014/15-5	ME-SCR	srgt matrix spike dup	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.089	µg/L	EPA 608	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike dup, rec	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	89	%	EPA 608	-88	-88	12	117	
2014/15-5	ME-SCR	srgt environ	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0974	µg/L	EPA 608	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/4/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	97	%	EPA 608	-88	-88	12	117	
2014/15-5	ME-VR2	srgt environ	6/5/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0955	µg/L	EPA 608	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/5/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	96	%	EPA 608	-88	-88	12	117	
2014/15-5	MO-CAM	srgt environ	6/5/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0738	µg/L	EPA 608	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/5/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	74	%	EPA 608	-88	-88	12	117	
2014/15-5	MO-FIL	srgt environ	6/5/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0751	µg/L	EPA 608	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/5/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	75	%	EPA 608	-88	-88	12	117	
2014/15-5	MO-SIM	srgt environ	6/5/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0684	µg/L	EPA 608	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/5/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	68	%	EPA 608	-88	-88	12	117	
2014/15-5	MO-SPA	srgt environ	6/5/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0705	µg/L	EPA 608	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/5/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	70	%	EPA 608	-88	-88	12	117	
2014/15-5	MO-THO	srgt environ	6/5/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.06	µg/L	EPA 608	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/5/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	60	%	EPA 608	-88	-88	12	117	
2014/15-5	Lab	srgt LCS	5/18/2015	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2014/15-5	Lab	srgt LCS, rec	5/18/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-5	Lab	srgt LCS dup	5/18/2015	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	5/18/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-5	Lab	srgt method blank	5/18/2015	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	srgt method blank, rec	5/18/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-5	ME-CC	srgt environ	5/18/2015	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	5/18/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-5	ME-SCR	srgt environ	5/18/2015	Organic	Toluene-d8	n/a	=	51	µg/L	EPA 624	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	5/18/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-5	ME-SCR	srgt matrix spike	5/19/2015	Organic	Toluene-d8	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike, rec	5/19/2015	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2014/15-5	ME-SCR	srgt matrix spike dup	5/19/2015	Organic	Toluene-d8	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike dup, rec	5/19/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-5	ME-VR2	srgt environ	5/18/2015	Organic	Toluene-d8	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	5/18/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-5	000NONPJ	srgt matrix spike	6/8/2015	Organic	Triphenylphosphate	n/a	=	0.542	µg/L	EPA 525.2m	-88	-88			
2014/15-5	000NONPJ	srgt matrix spike, rec	6/8/2015	Organic	Triphenylphosphate	n/a	=	108	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	000NONPJ	srgt matrix spike dup	6/8/2015	Organic	Triphenylphosphate	n/a	=	0.582	µg/L	EPA 525.2m	-88	-88			
2014/15-5	000NONPJ	srgt matrix spike dup, rec	6/8/2015	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	000NONPJ	srgt matrix spike	6/13/2015	Organic	Triphenylphosphate	n/a	=	0.661	µg/L	EPA 525.2m	-88	-88			
2014/15-5	000NONPJ	srgt matrix spike, rec	6/13/2015	Organic	Triphenylphosphate	n/a	=	132	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	000NONPJ	srgt matrix spike dup	6/13/2015	Organic	Triphenylphosphate	n/a	=	0.725	µg/L	EPA 525.2m	-88	-88			
2014/15-5	000NONPJ	srgt matrix spike dup, rec	6/13/2015	Organic	Triphenylphosphate	n/a	=	145	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	Lab	srgt method blank	5/30/2015	Organic	Triphenylphosphate	n/a	=	6.1	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt method blank, rec	5/30/2015	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2	-88	-88	70	149	
2014/15-5	Lab	srgt LCS	5/30/2015	Organic	Triphenylphosphate	n/a	=	6.22	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt LCS, rec	5/30/2015	Organic	Triphenylphosphate	n/a	=	124	%	EPA 525.2	-88	-88	70	149	
2014/15-5	Lab	srgt LCS dup	5/30/2015	Organic	Triphenylphosphate	n/a	=	6.17	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	5/30/2015	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2	-88	-88	70	149	
2014/15-5	Lab	srgt method blank	6/2/2015	Organic	Triphenylphosphate	n/a	=	4.98	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/2/2015	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2	-88	-88	70	149	
2014/15-5	Lab	srgt LCS	6/2/2015	Organic	Triphenylphosphate	n/a	=	5.22	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/2/2015	Organic	Triphenylphosphate	n/a	=	104	%	EPA 525.2	-88	-88	70	149	
2014/15-5	Lab	srgt LCS dup	6/2/2015	Organic	Triphenylphosphate	n/a	=	4.93	µg/L	EPA 525.2	-88	-88			
2014/15-5	Lab	srgt LCS dup, rec	6/2/2015	Organic	Triphenylphosphate	n/a	=	99	%	EPA 525.2	-88	-88	70	149	
2014/15-5	Lab	srgt method blank	6/8/2015	Organic	Triphenylphosphate	n/a	=	0.567	µg/L	EPA 525.2m	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/8/2015	Organic	Triphenylphosphate	n/a	=	113	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	Lab	srgt LCS	6/8/2015	Organic	Triphenylphosphate	n/a	=	0.589	µg/L	EPA 525.2m	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/8/2015	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	Lab	srgt method blank	6/13/2015	Organic	Triphenylphosphate	n/a	=	0.659	µg/L	EPA 525.2m	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/13/2015	Organic	Triphenylphosphate	n/a	=	132	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	Lab	srgt LCS	6/13/2015	Organic	Triphenylphosphate	n/a	=	0.675	µg/L	EPA 525.2m	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/13/2015	Organic	Triphenylphosphate	n/a	=	135	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	Lab	srgt method blank	6/15/2015	Organic	Triphenylphosphate	n/a	=	0.706	µg/L	EPA 525.2m	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/15/2015	Organic	Triphenylphosphate	n/a	=	141	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	Lab	srgt LCS	6/15/2015	Organic	Triphenylphosphate	n/a	=	0.705	µg/L	EPA 525.2m	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/15/2015	Organic	Triphenylphosphate	n/a	=	141	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	ME-CC	srgt environ	5/30/2015	Organic	Triphenylphosphate	n/a	=	5.81	µg/L	EPA 525.2	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	5/30/2015	Organic	Triphenylphosphate	n/a	=	116	%	EPA 525.2	-88	-88	70	149	
2014/15-5	ME-CC	srgt environ	6/9/2015	Organic	Triphenylphosphate	n/a	=	0.612	µg/L	EPA 525.2m	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/9/2015	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2m	-88	-88	40	163	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	ME-SCR	srgt environ	5/30/2015	Organic	Triphenylphosphate	n/a	=	6.44	µg/L	EPA 525.2	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	5/30/2015	Organic	Triphenylphosphate	n/a	=	129	%	EPA 525.2	-88	-88	70	149	
2014/15-5	ME-SCR	srgt environ	6/13/2015	Organic	Triphenylphosphate	n/a	=	0.645	µg/L	EPA 525.2m	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/13/2015	Organic	Triphenylphosphate	n/a	=	129	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	ME-VR2	srgt environ	5/30/2015	Organic	Triphenylphosphate	n/a	=	5.51	µg/L	EPA 525.2	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	5/30/2015	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	149	
2014/15-5	ME-VR2	srgt environ	6/13/2015	Organic	Triphenylphosphate	n/a	=	0.629	µg/L	EPA 525.2m	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/13/2015	Organic	Triphenylphosphate	n/a	=	126	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	MO-CAM	srgt environ	5/30/2015	Organic	Triphenylphosphate	n/a	=	3.1	µg/L	EPA 525.2	-88	-88			GN
2014/15-5	MO-CAM	srgt environ, rec	5/30/2015	Organic	Triphenylphosphate	n/a	=	62	%	EPA 525.2	-88	-88	70	149	GN
2014/15-5	MO-CAM	srgt environ	6/13/2015	Organic	Triphenylphosphate	n/a	=	0.612	µg/L	EPA 525.2m	-88	-88			
2014/15-5	MO-CAM	srgt environ, rec	6/13/2015	Organic	Triphenylphosphate	n/a	=	122	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	MO-FIL	srgt environ	6/3/2015	Organic	Triphenylphosphate	n/a	=	4.65	µg/L	EPA 525.2	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/3/2015	Organic	Triphenylphosphate	n/a	=	93	%	EPA 525.2	-88	-88	70	149	
2014/15-5	MO-FIL	srgt environ	6/13/2015	Organic	Triphenylphosphate	n/a	=	0.782	µg/L	EPA 525.2m	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/13/2015	Organic	Triphenylphosphate	n/a	=	156	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	MO-SIM	srgt environ	5/30/2015	Organic	Triphenylphosphate	n/a	=	5.52	µg/L	EPA 525.2	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	5/30/2015	Organic	Triphenylphosphate	n/a	=	110	%	EPA 525.2	-88	-88	70	149	
2014/15-5	MO-SIM	srgt environ	6/13/2015	Organic	Triphenylphosphate	n/a	=	0.724	µg/L	EPA 525.2m	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/13/2015	Organic	Triphenylphosphate	n/a	=	145	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	MO-SPA	srgt environ	5/30/2015	Organic	Triphenylphosphate	n/a	=	2.54	µg/L	EPA 525.2	-88	-88			GN
2014/15-5	MO-SPA	srgt environ, rec	5/30/2015	Organic	Triphenylphosphate	n/a	=	51	%	EPA 525.2	-88	-88	70	149	GN
2014/15-5	MO-SPA	srgt environ	6/13/2015	Organic	Triphenylphosphate	n/a	=	0.727	µg/L	EPA 525.2m	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/13/2015	Organic	Triphenylphosphate	n/a	=	145	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	MO-THO	srgt environ	6/3/2015	Organic	Triphenylphosphate	n/a	=	4.65	µg/L	EPA 525.2	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/3/2015	Organic	Triphenylphosphate	n/a	=	93	%	EPA 525.2	-88	-88	70	149	
2014/15-5	MO-THO	srgt environ	6/13/2015	Organic	Triphenylphosphate	n/a	=	0.687	µg/L	EPA 525.2m	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/13/2015	Organic	Triphenylphosphate	n/a	=	137	%	EPA 525.2m	-88	-88	40	163	
2014/15-5	000NONPJ	srgt matrix spike	6/4/2015	PCB	PCB 209	n/a	=	0.101	µg/L	EPA 608	-88	-88			
2014/15-5	000NONPJ	srgt matrix spike, rec	6/4/2015	PCB	PCB 209	n/a	=	101	%	EPA 608	-88	-88	0.1	118	
2014/15-5	000NONPJ	srgt matrix spike dup	6/4/2015	PCB	PCB 209	n/a	=	0.087	µg/L	EPA 608	-88	-88			
2014/15-5	000NONPJ	srgt matrix spike dup, rec	6/4/2015	PCB	PCB 209	n/a	=	87	%	EPA 608	-88	-88	0.1	118	
2014/15-5	Lab	srgt method blank	6/4/2015	PCB	PCB 209	n/a	=	0.0964	µg/L	EPA 608	-88	-88			
2014/15-5	Lab	srgt method blank, rec	6/4/2015	PCB	PCB 209	n/a	=	96	%	EPA 608	-88	-88	0.1	118	
2014/15-5	Lab	srgt LCS	6/4/2015	PCB	PCB 209	n/a	=	0.107	µg/L	EPA 608	-88	-88			
2014/15-5	Lab	srgt LCS, rec	6/4/2015	PCB	PCB 209	n/a	=	107	%	EPA 608	-88	-88	0.1	118	
2014/15-5	ME-CC	srgt environ	6/4/2015	PCB	PCB 209	n/a	=	0.0947	µg/L	EPA 608	-88	-88			
2014/15-5	ME-CC	srgt environ, rec	6/4/2015	PCB	PCB 209	n/a	=	95	%	EPA 608	-88	-88	0.1	118	
2014/15-5	ME-SCR	srgt matrix spike	6/4/2015	PCB	PCB 209	n/a	=	0.1	µg/L	EPA 608	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike, rec	6/4/2015	PCB	PCB 209	n/a	=	100	%	EPA 608	-88	-88	0.1	118	
2014/15-5	ME-SCR	srgt matrix spike dup	6/4/2015	PCB	PCB 209	n/a	=	0.117	µg/L	EPA 608	-88	-88			
2014/15-5	ME-SCR	srgt matrix spike dup, rec	6/4/2015	PCB	PCB 209	n/a	=	117	%	EPA 608	-88	-88	0.1	118	
2014/15-5	ME-SCR	srgt environ	6/4/2015	PCB	PCB 209	n/a	=	0.117	µg/L	EPA 608	-88	-88			
2014/15-5	ME-SCR	srgt environ, rec	6/4/2015	PCB	PCB 209	n/a	=	117	%	EPA 608	-88	-88	0.1	118	
2014/15-5	ME-VR2	srgt environ	6/5/2015	PCB	PCB 209	n/a	=	0.113	µg/L	EPA 608	-88	-88			
2014/15-5	ME-VR2	srgt environ, rec	6/5/2015	PCB	PCB 209	n/a	=	113	%	EPA 608	-88	-88	0.1	118	
2014/15-5	MO-CAM	srgt environ	6/5/2015	PCB	PCB 209	n/a	=	0.0792	µg/L	EPA 608	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	MO-CAM	srgt environ, rec	6/5/2015	PCB	PCB 209	n/a	=	79	%	EPA 608	-88	-88	0.1	118	
2014/15-5	MO-FIL	srgt environ	6/5/2015	PCB	PCB 209	n/a	=	0.0785	µg/L	EPA 608	-88	-88			
2014/15-5	MO-FIL	srgt environ, rec	6/5/2015	PCB	PCB 209	n/a	=	79	%	EPA 608	-88	-88	0.1	118	
2014/15-5	MO-SIM	srgt environ	6/5/2015	PCB	PCB 209	n/a	=	0.0783	µg/L	EPA 608	-88	-88			
2014/15-5	MO-SIM	srgt environ, rec	6/5/2015	PCB	PCB 209	n/a	=	78	%	EPA 608	-88	-88	0.1	118	
2014/15-5	MO-SPA	srgt environ	6/5/2015	PCB	PCB 209	n/a	=	0.0521	µg/L	EPA 608	-88	-88			
2014/15-5	MO-SPA	srgt environ, rec	6/5/2015	PCB	PCB 209	n/a	=	52	%	EPA 608	-88	-88	0.1	118	
2014/15-5	MO-THO	srgt environ	6/5/2015	PCB	PCB 209	n/a	=	0.0752	µg/L	EPA 608	-88	-88			
2014/15-5	MO-THO	srgt environ, rec	6/5/2015	PCB	PCB 209	n/a	=	75	%	EPA 608	-88	-88	0.1	118	
2014/15-5	Lab	method blank	6/4/2015	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2014/15-5	Lab	method blank	6/4/2015	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-5	Lab	method blank	6/4/2015	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2014/15-5	Lab	method blank	6/4/2015	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2014/15-5	Lab	method blank	6/4/2015	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-5	Lab	method blank	6/4/2015	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-5	Lab	method blank	6/4/2015	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-5	Lab	method blank	5/29/2015	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	2,4,5-T	n/a	=	4.13	µg/L	EPA 515.3	0.07	0.2			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	2,4,5-T	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	2,4,5-T	n/a	=	4.07	µg/L	EPA 515.3	0.07	0.2			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	2,4,5-T	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	2,4,5-T	n/a	=	3.83	µg/L	EPA 515.3	0.07	0.2			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	2,4,5-T	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	2,4,5-T	n/a	=	6	%	EPA 515.3	-88	-88	0	30	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	2,4,5-TP	n/a	=	3.62	µg/L	EPA 515.3	0.09	0.2			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	2,4,5-TP	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	2,4,5-TP	n/a	=	3.46	µg/L	EPA 515.3	0.09	0.2			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	2,4,5-TP	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	2,4,5-TP	n/a	=	3.4	µg/L	EPA 515.3	0.09	0.2			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	2,4,5-TP	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	2,4,5-TP	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	2,4-D	n/a	=	8.55	µg/L	EPA 515.3	0.07	0.4			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	2,4-D	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	2,4-D	n/a	=	8.67	µg/L	EPA 515.3	0.07	0.4			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	2,4-D	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	2,4-D	n/a	=	8.54	µg/L	EPA 515.3	0.07	0.4			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	2,4-D	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	2,4-D	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	2,4-DB	n/a	=	15.1	µg/L	EPA 515.3	0.07	2			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	2,4-DB	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	2,4-DB	n/a	=	15.6	µg/L	EPA 515.3	0.07	2			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	2,4-DB	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	2,4-DB	n/a	=	14.9	µg/L	EPA 515.3	0.07	2			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	2,4-DB	n/a	=	93	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	2,4-DB	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.53	µg/L	EPA 515.3	0.09	1			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.23	µg/L	EPA 515.3	0.09	1			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.31	µg/L	EPA 515.3	0.09	1			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	4,4'-DDD	n/a	DNQ	0.0881	µg/L	EPA 608	0.006	0.1			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	4,4'-DDD	n/a	=	88	%	EPA 608	-88	-88	23	124	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	4,4'-DDD	n/a	DNQ	0.078	µg/L	EPA 608	0.006	0.1			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	4,4'-DDD	n/a	=	78	%	EPA 608	-88	-88	23	124	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	4,4'-DDD	n/a	=	12	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	4,4'-DDD	n/a	=	0.0923	µg/L	EPA 608	0.003	0.05			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	4,4'-DDD	n/a	=	92	%	EPA 608	-88	-88	42	133	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	4,4'-DDD	n/a	DNQ	0.0913	µg/L	EPA 608	0.015	0.25			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	4,4'-DDD	n/a	=	91	%	EPA 608	-88	-88	23	124	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	4,4'-DDD	n/a	DNQ	0.105	µg/L	EPA 608	0.015	0.25			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	4,4'-DDD	n/a	=	105	%	EPA 608	-88	-88	23	124	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	4,4'-DDD	n/a	=	14	%	EPA 608	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	4,4'-DDE	n/a	DNQ	0.0881	µg/L	EPA 608	0.005	0.1			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	4,4'-DDE	n/a	=	88	%	EPA 608	-88	-88	30	114	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	4,4'-DDE	n/a	DNQ	0.08	µg/L	EPA 608	0.005	0.1			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	4,4'-DDE	n/a	=	80	%	EPA 608	-88	-88	30	114	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	4,4'-DDE	n/a	=	10	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	4,4'-DDE	n/a	=	0.0943	µg/L	EPA 608	0.0025	0.05			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	4,4'-DDE	n/a	=	94	%	EPA 608	-88	-88	33	126	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	4,4'-DDE	n/a	DNQ	0.0874	µg/L	EPA 608	0.012	0.25			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	4,4'-DDE	n/a	=	87	%	EPA 608	-88	-88	30	114	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	4,4'-DDE	n/a	DNQ	0.105	µg/L	EPA 608	0.012	0.25			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	4,4'-DDE	n/a	=	105	%	EPA 608	-88	-88	30	114	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	4,4'-DDE	n/a	=	18	%	EPA 608	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	4,4'-DDT	n/a	=	0.0964	µg/L	EPA 608	0.0062	0.02			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	4,4'-DDT	n/a	=	96	%	EPA 608	-88	-88	11	151	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	4,4'-DDT	n/a	=	0.0842	µg/L	EPA 608	0.0062	0.02			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	4,4'-DDT	n/a	=	84	%	EPA 608	-88	-88	11	151	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	4,4'-DDT	n/a	=	14	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	4,4'-DDT	n/a	=	0.103	µg/L	EPA 608	0.0031	0.01			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	4,4'-DDT	n/a	=	103	%	EPA 608	-88	-88	35	147	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	4,4'-DDT	n/a	=	0.0909	µg/L	EPA 608	0.016	0.05			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	4,4'-DDT	n/a	=	91	%	EPA 608	-88	-88	11	151	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	4,4'-DDT	n/a	=	0.107	µg/L	EPA 608	0.016	0.05			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	4,4'-DDT	n/a	=	107	%	EPA 608	-88	-88	11	151	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	4,4'-DDT	n/a	=	17	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	Acifluorfen	n/a	=	4.22	µg/L	EPA 515.3	0.06	0.4			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	Acifluorfen	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	Acifluorfen	n/a	=	4.08	µg/L	EPA 515.3	0.06	0.4			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	Acifluorfen	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	Acifluorfen	n/a	=	3.77	µg/L	EPA 515.3	0.06	0.4			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	Acifluorfen	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	Acifluorfen	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Alachlor	n/a	=	4.15	µg/L	EPA 525.2	0.022	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Alachlor	n/a	=	83	%	EPA 525.2	-88	-88	55	124	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Alachlor	n/a	=	4	µg/L	EPA 525.2	0.022	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Alachlor	n/a	=	80	%	EPA 525.2	-88	-88	55	124	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Alachlor	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Alachlor	n/a	=	5.27	µg/L	EPA 525.2	0.022	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Alachlor	n/a	=	105	%	EPA 525.2	-88	-88	55	124	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Alachlor	n/a	=	5.6	µg/L	EPA 525.2	0.022	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Alachlor	n/a	=	112	%	EPA 525.2	-88	-88	55	124	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Alachlor	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	Aldrin	n/a	=	0.08	µg/L	EPA 608	0.003	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	Aldrin	n/a	=	80	%	EPA 608	-88	-88	18	110	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	Aldrin	n/a	=	0.0718	µg/L	EPA 608	0.003	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	Aldrin	n/a	=	72	%	EPA 608	-88	-88	18	110	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	Aldrin	n/a	=	11	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	Aldrin	n/a	=	0.0827	µg/L	EPA 608	0.0015	0.005			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	Aldrin	n/a	=	83	%	EPA 608	-88	-88	18	117	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	Aldrin	n/a	=	0.0833	µg/L	EPA 608	0.0075	0.025			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	Aldrin	n/a	=	83	%	EPA 608	-88	-88	18	110	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	Aldrin	n/a	=	0.0971	µg/L	EPA 608	0.0075	0.025			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	Aldrin	n/a	=	97	%	EPA 608	-88	-88	18	110	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	Aldrin	n/a	=	15	%	EPA 608	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	alpha-BHC	n/a	=	0.0866	µg/L	EPA 608	0.0036	0.02			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	alpha-BHC	n/a	=	87	%	EPA 608	-88	-88	43	114	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	alpha-BHC	n/a	=	0.0777	µg/L	EPA 608	0.0036	0.02			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	alpha-BHC	n/a	=	78	%	EPA 608	-88	-88	43	114	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	alpha-BHC	n/a	=	11	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	alpha-BHC	n/a	=	0.09	µg/L	EPA 608	0.0018	0.01			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	alpha-BHC	n/a	=	90	%	EPA 608	-88	-88	47	119	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	alpha-BHC	n/a	=	0.0906	µg/L	EPA 608	0.009	0.05			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	alpha-BHC	n/a	=	91	%	EPA 608	-88	-88	43	114	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	alpha-BHC	n/a	=	0.105	µg/L	EPA 608	0.009	0.05			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	alpha-BHC	n/a	=	105	%	EPA 608	-88	-88	43	114	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	alpha-BHC	n/a	=	15	%	EPA 608	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Atrazine	n/a	=	5.29	µg/L	EPA 525.2	0.034	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Atrazine	n/a	=	106	%	EPA 525.2	-88	-88	67	131	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Atrazine	n/a	=	5.67	µg/L	EPA 525.2	0.034	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Atrazine	n/a	=	113	%	EPA 525.2	-88	-88	67	131	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Atrazine	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Atrazine	n/a	=	5.32	µg/L	EPA 525.2	0.034	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Atrazine	n/a	=	106	%	EPA 525.2	-88	-88	67	131	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Atrazine	n/a	=	5.02	µg/L	EPA 525.2	0.034	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Atrazine	n/a	=	100	%	EPA 525.2	-88	-88	67	131	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Atrazine	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Azinphos methyl	n/a	=	0.0727	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Azinphos methyl	n/a	=	145	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Azinphos methyl	n/a	=	0.0712	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Azinphos methyl	n/a	=	142	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Azinphos methyl	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Azinphos methyl	n/a	=	0.0678	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Azinphos methyl	n/a	=	124	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Azinphos methyl	n/a	=	0.0796	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Azinphos methyl	n/a	=	148	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Azinphos methyl	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Azinphos methyl	n/a	=	0.0858	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Azinphos methyl	n/a	=	172	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Azinphos methyl	n/a	=	0.094	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Azinphos methyl	n/a	=	188	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	Bentazon	n/a	=	16.7	µg/L	EPA 515.3	0.11	2			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	Bentazon	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	Bentazon	n/a	=	15.8	µg/L	EPA 515.3	0.11	2			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	Bentazon	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	Bentazon	n/a	=	15.4	µg/L	EPA 515.3	0.11	2			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	Bentazon	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	Bentazon	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	beta-BHC	n/a	=	0.0986	µg/L	EPA 608	0.0062	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	beta-BHC	n/a	=	99	%	EPA 608	-88	-88	24	135	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	beta-BHC	n/a	=	0.0838	µg/L	EPA 608	0.0062	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	beta-BHC	n/a	=	84	%	EPA 608	-88	-88	24	135	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	beta-BHC	n/a	=	16	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	beta-BHC	n/a	=	0.108	µg/L	EPA 608	0.0031	0.005			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	beta-BHC	n/a	=	108	%	EPA 608	-88	-88	53	123	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	beta-BHC	n/a	=	0.103	µg/L	EPA 608	0.016	0.025			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	beta-BHC	n/a	=	103	%	EPA 608	-88	-88	24	135	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	beta-BHC	n/a	=	0.121	µg/L	EPA 608	0.016	0.025			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	beta-BHC	n/a	=	121	%	EPA 608	-88	-88	24	135	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	beta-BHC	n/a	=	16	%	EPA 608	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Bolstar	n/a	=	0.0453	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Bolstar	n/a	=	91	%	EPA 525.2m	-88	-88	4	184	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Bolstar	n/a	=	0.0438	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Bolstar	n/a	=	88	%	EPA 525.2m	-88	-88	4	184	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Bolstar	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Bolstar	n/a	=	0.031	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Bolstar	n/a	=	62	%	EPA 525.2m	-88	-88	4	184	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Bolstar	n/a	=	0.0334	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Bolstar	n/a	=	67	%	EPA 525.2m	-88	-88	4	184	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Bolstar	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Bolstar	n/a	=	0.0501	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Bolstar	n/a	=	100	%	EPA 525.2m	-88	-88	11	166	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Bolstar	n/a	=	0.0445	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Bolstar	n/a	=	89	%	EPA 525.2m	-88	-88	11	166	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Bromacil	n/a	=	5.56	µg/L	EPA 525.2	0.038	1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Bromacil	n/a	=	111	%	EPA 525.2	-88	-88	62	139	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Bromacil	n/a	=	5.7	µg/L	EPA 525.2	0.038	1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Bromacil	n/a	=	114	%	EPA 525.2	-88	-88	62	139	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Bromacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Bromacil	n/a	=	6.25	µg/L	EPA 525.2	0.038	1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Bromacil	n/a	=	125	%	EPA 525.2	-88	-88	62	139	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Bromacil	n/a	=	6.93	µg/L	EPA 525.2	0.038	1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Bromacil	n/a	=	139	%	EPA 525.2	-88	-88	62	139	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Bromacil	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Butachlor	n/a	=	4.51	µg/L	EPA 525.2	0.017	0.2			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Butachlor	n/a	=	90	%	EPA 525.2	-88	-88	61	127	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Butachlor	n/a	=	4.44	µg/L	EPA 525.2	0.017	0.2			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Butachlor	n/a	=	89	%	EPA 525.2	-88	-88	61	127	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Butachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Butachlor	n/a	=	5.46	µg/L	EPA 525.2	0.017	0.2			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Butachlor	n/a	=	109	%	EPA 525.2	-88	-88	61	127	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Butachlor	n/a	=	5.63	µg/L	EPA 525.2	0.017	0.2			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Butachlor	n/a	=	113	%	EPA 525.2	-88	-88	61	127	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Butachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Captan	n/a	=	5.75	µg/L	EPA 525.2	0.86	1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Captan	n/a	=	115	%	EPA 525.2	-88	-88	14	159	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Captan	n/a	=	6.09	µg/L	EPA 525.2	0.86	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Captan	n/a	=	122	%	EPA 525.2	-88	-88	14	159	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Captan	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Captan	n/a	=	5.34	µg/L	EPA 525.2	0.86	1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Captan	n/a	=	107	%	EPA 525.2	-88	-88	14	159	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Captan	n/a	=	4.98	µg/L	EPA 525.2	0.86	1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Captan	n/a	=	100	%	EPA 525.2	-88	-88	14	159	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Captan	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Chlorpropham	n/a	=	5.69	µg/L	EPA 525.2	0.01	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Chlorpropham	n/a	=	114	%	EPA 525.2	-88	-88	77	143	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Chlorpropham	n/a	=	5.92	µg/L	EPA 525.2	0.01	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Chlorpropham	n/a	=	118	%	EPA 525.2	-88	-88	77	143	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Chlorpropham	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Chlorpropham	n/a	=	6.04	µg/L	EPA 525.2	0.01	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Chlorpropham	n/a	=	121	%	EPA 525.2	-88	-88	77	143	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Chlorpropham	n/a	=	5.79	µg/L	EPA 525.2	0.01	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Chlorpropham	n/a	=	116	%	EPA 525.2	-88	-88	77	143	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Chlorpropham	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Chlorpyrifos	n/a	=	0.0637	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Chlorpyrifos	n/a	=	127	%	EPA 525.2m	-88	-88	37	168	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Chlorpyrifos	n/a	=	0.0629	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Chlorpyrifos	n/a	=	126	%	EPA 525.2m	-88	-88	37	168	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Chlorpyrifos	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Chlorpyrifos	n/a	=	0.0583	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Chlorpyrifos	n/a	=	117	%	EPA 525.2m	-88	-88	37	168	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Chlorpyrifos	n/a	=	0.0604	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Chlorpyrifos	n/a	=	121	%	EPA 525.2m	-88	-88	37	168	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Chlorpyrifos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Chlorpyrifos	n/a	=	0.0568	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Chlorpyrifos	n/a	=	114	%	EPA 525.2m	-88	-88	37	169	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Chlorpyrifos	n/a	=	0.0552	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Chlorpyrifos	n/a	=	110	%	EPA 525.2m	-88	-88	37	169	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Coumaphos	n/a	=	0.0631	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Coumaphos	n/a	=	126	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Coumaphos	n/a	=	0.065	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Coumaphos	n/a	=	130	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Coumaphos	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Coumaphos	n/a	=	0.0529	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Coumaphos	n/a	=	95	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Coumaphos	n/a	=	0.0609	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Coumaphos	n/a	=	111	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Coumaphos	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Coumaphos	n/a	=	0.0677	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Coumaphos	n/a	=	135	%	EPA 525.2m	-88	-88	0.1	225	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Coumaphos	n/a	=	0.0693	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Coumaphos	n/a	=	139	%	EPA 525.2m	-88	-88	0.1	225	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Cyanazine	n/a	=	4.92	µg/L	EPA 525.2	0.024	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Cyanazine	n/a	=	98	%	EPA 525.2	-88	-88	61	129	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Cyanazine	n/a	=	4.93	µg/L	EPA 525.2	0.024	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Cyanazine	n/a	=	99	%	EPA 525.2	-88	-88	61	129	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Cyanazine	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Cyanazine	n/a	=	4.72	µg/L	EPA 525.2	0.024	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Cyanazine	n/a	=	94	%	EPA 525.2	-88	-88	61	129	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Cyanazine	n/a	=	4.63	µg/L	EPA 525.2	0.024	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Cyanazine	n/a	=	93	%	EPA 525.2	-88	-88	61	129	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Cyanazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	Dalapon	n/a	=	9.11	µg/L	EPA 515.3	0.1	0.4			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	Dalapon	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	Dalapon	n/a	=	9.34	µg/L	EPA 515.3	0.1	0.4			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	Dalapon	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	Dalapon	n/a	=	9.11	µg/L	EPA 515.3	0.1	0.4			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	Dalapon	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	Dalapon	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.6	µg/L	EPA 515.3	0.07	0.1			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	DCPA (Dacthal)	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.65	µg/L	EPA 515.3	0.07	0.1			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	DCPA (Dacthal)	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.52	µg/L	EPA 515.3	0.07	0.1			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	DCPA (Dacthal)	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	DCPA (Dacthal)	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	delta-BHC	n/a	=	0.102	µg/L	EPA 608	0.005	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	delta-BHC	n/a	=	102	%	EPA 608	-88	-88	37	122	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	delta-BHC	n/a	=	0.0867	µg/L	EPA 608	0.005	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	delta-BHC	n/a	=	87	%	EPA 608	-88	-88	37	122	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	delta-BHC	n/a	=	16	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	delta-BHC	n/a	=	0.11	µg/L	EPA 608	0.0025	0.005			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	delta-BHC	n/a	=	110	%	EPA 608	-88	-88	51	123	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	delta-BHC	n/a	=	0.105	µg/L	EPA 608	0.012	0.025			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	delta-BHC	n/a	=	105	%	EPA 608	-88	-88	37	122	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	delta-BHC	n/a	=	0.119	µg/L	EPA 608	0.012	0.025			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	delta-BHC	n/a	=	119	%	EPA 608	-88	-88	37	122	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	delta-BHC	n/a	=	12	%	EPA 608	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Demeton-O	n/a	=	0.0459	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Demeton-O	n/a	=	92	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Demeton-O	n/a	=	0.0362	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Demeton-O	n/a	=	72	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Demeton-O	n/a	=	24	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Demeton-O	n/a	=	0.0359	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Demeton-O	n/a	=	72	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Demeton-O	n/a	=	0.0381	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Demeton-O	n/a	=	76	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Demeton-O	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Demeton-O	n/a	=	0.0427	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Demeton-O	n/a	=	85	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Demeton-O	n/a	=	0.0304	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Demeton-O	n/a	=	61	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Demeton-S	n/a	=	0.0625	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Demeton-S	n/a	=	125	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Demeton-S	n/a	=	0.0583	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Demeton-S	n/a	=	117	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Demeton-S	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Demeton-S	n/a	=	0.0415	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Demeton-S	n/a	=	83	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Demeton-S	n/a	=	0.0511	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Demeton-S	n/a	=	102	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Demeton-S	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Demeton-S	n/a	=	0.0583	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Demeton-S	n/a	=	117	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Demeton-S	n/a	=	0.0491	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Demeton-S	n/a	=	98	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Diazinon	n/a	=	0.0571	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Diazinon	n/a	=	114	%	EPA 525.2m	-88	-88	36	153	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Diazinon	n/a	=	0.0419	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Diazinon	n/a	=	84	%	EPA 525.2m	-88	-88	36	153	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Diazinon	n/a	=	31	%	EPA 525.2m	-88	-88	0	30	IL
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Diazinon	n/a	=	0.045	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Diazinon	n/a	=	90	%	EPA 525.2m	-88	-88	36	153	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Diazinon	n/a	=	0.0553	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Diazinon	n/a	=	111	%	EPA 525.2m	-88	-88	36	153	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Diazinon	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Diazinon	n/a	=	3.14	µg/L	EPA 525.2	0.096	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Diazinon	n/a	=	63	%	EPA 525.2	-88	-88	30	120	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Diazinon	n/a	=	3	µg/L	EPA 525.2	0.096	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Diazinon	n/a	=	60	%	EPA 525.2	-88	-88	30	120	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Diazinon	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Diazinon	n/a	=	4.23	µg/L	EPA 525.2	0.096	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Diazinon	n/a	=	85	%	EPA 525.2	-88	-88	30	120	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Diazinon	n/a	=	4.75	µg/L	EPA 525.2	0.096	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Diazinon	n/a	=	95	%	EPA 525.2	-88	-88	30	120	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Diazinon	n/a	=	12	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Diazinon	n/a	=	0.0526	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Diazinon	n/a	=	105	%	EPA 525.2m	-88	-88	43	152	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Diazinon	n/a	=	0.0476	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Diazinon	n/a	=	95	%	EPA 525.2m	-88	-88	43	152	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	Dicamba	n/a	=	7.97	µg/L	EPA 515.3	0.12	0.6			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	Dicamba	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	Dicamba	n/a	=	7.77	µg/L	EPA 515.3	0.12	0.6			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	Dicamba	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	Dicamba	n/a	=	7.76	µg/L	EPA 515.3	0.12	0.6			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	Dicamba	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	Dicamba	n/a	=	0.2	%	EPA 515.3	-88	-88	0	30	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	Dichlorprop	n/a	=	8.01	µg/L	EPA 515.3	0.08	0.3			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	Dichlorprop	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	Dichlorprop	n/a	=	7.77	µg/L	EPA 515.3	0.08	0.3			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	Dichlorprop	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	Dichlorprop	n/a	=	7.72	µg/L	EPA 515.3	0.08	0.3			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	Dichlorprop	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	Dichlorprop	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Dichlorvos	n/a	=	0.0561	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Dichlorvos	n/a	=	112	%	EPA 525.2m	-88	-88	42	137	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Dichlorvos	n/a	=	0.053	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Dichlorvos	n/a	=	106	%	EPA 525.2m	-88	-88	42	137	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Dichlorvos	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Dichlorvos	n/a	=	0.0394	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Dichlorvos	n/a	=	79	%	EPA 525.2m	-88	-88	42	137	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Dichlorvos	n/a	=	0.0451	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Dichlorvos	n/a	=	90	%	EPA 525.2m	-88	-88	42	137	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Dichlorvos	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Dichlorvos	n/a	=	0.0556	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Dichlorvos	n/a	=	111	%	EPA 525.2m	-88	-88	46	133	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Dichlorvos	n/a	=	0.0528	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Dichlorvos	n/a	=	106	%	EPA 525.2m	-88	-88	46	133	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	Dieldrin	n/a	=	0.087	µg/L	EPA 608	0.0042	0.02			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	Dieldrin	n/a	=	87	%	EPA 608	-88	-88	27	132	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	Dieldrin	n/a	=	0.0792	µg/L	EPA 608	0.0042	0.02			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	Dieldrin	n/a	=	79	%	EPA 608	-88	-88	27	132	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	Dieldrin	n/a	=	9	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	Dieldrin	n/a	=	0.0931	µg/L	EPA 608	0.0021	0.01			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	Dieldrin	n/a	=	93	%	EPA 608	-88	-88	48	123	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	Dieldrin	n/a	=	0.0883	µg/L	EPA 608	0.01	0.05			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	Dieldrin	n/a	=	88	%	EPA 608	-88	-88	27	132	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	Dieldrin	n/a	=	0.105	µg/L	EPA 608	0.01	0.05			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	Dieldrin	n/a	=	105	%	EPA 608	-88	-88	27	132	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	Dieldrin	n/a	=	17	%	EPA 608	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Dimethoate	n/a	=	0.0634	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Dimethoate	n/a	=	127	%	EPA 525.2m	-88	-88	4	222	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Dimethoate	n/a	=	0.0506	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Dimethoate	n/a	=	101	%	EPA 525.2m	-88	-88	4	222	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Dimethoate	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Dimethoate	n/a	=	0.0822	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Dimethoate	n/a	=	164	%	EPA 525.2m	-88	-88	4	222	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Dimethoate	n/a	=	0.082	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Dimethoate	n/a	=	164	%	EPA 525.2m	-88	-88	4	222	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Dimethoate	n/a	=	0.2	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Dimethoate	n/a	=	4.77	µg/L	EPA 525.2	0.024	0.2			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Dimethoate	n/a	=	95	%	EPA 525.2	-88	-88	38	102	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Dimethoate	n/a	=	5.69	µg/L	EPA 525.2	0.024	0.2			EUM
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Dimethoate	n/a	=	114	%	EPA 525.2	-88	-88	38	102	EUM
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Dimethoate	n/a	=	18	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Dimethoate	n/a	=	4.49	µg/L	EPA 525.2	0.024	0.2			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Dimethoate	n/a	=	90	%	EPA 525.2	-88	-88	38	102	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Dimethoate	n/a	=	4.35	µg/L	EPA 525.2	0.024	0.2			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Dimethoate	n/a	=	87	%	EPA 525.2	-88	-88	38	102	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Dimethoate	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Dimethoate	n/a	=	0.0542	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Dimethoate	n/a	=	108	%	EPA 525.2m	-88	-88	10	234	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Dimethoate	n/a	=	0.0809	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Dimethoate	n/a	=	162	%	EPA 525.2m	-88	-88	10	234	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	Dinoseb	n/a	=	3.54	µg/L	EPA 515.3	0.14	0.4			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	Dinoseb	n/a	=	88	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	Dinoseb	n/a	=	3.47	µg/L	EPA 515.3	0.14	0.4			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	Dinoseb	n/a	=	87	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	Dinoseb	n/a	=	3.32	µg/L	EPA 515.3	0.14	0.4			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	Dinoseb	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	Dinoseb	n/a	=	4	%	EPA 515.3	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Diphenamid	n/a	=	5.97	µg/L	EPA 525.2	0.024	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Diphenamid	n/a	=	119	%	EPA 525.2	-88	-88	77	124	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Diphenamid	n/a	=	6.03	µg/L	EPA 525.2	0.024	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Diphenamid	n/a	=	121	%	EPA 525.2	-88	-88	77	124	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Diphenamid	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Diphenamid	n/a	=	5.61	µg/L	EPA 525.2	0.024	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Diphenamid	n/a	=	112	%	EPA 525.2	-88	-88	77	124	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Diphenamid	n/a	=	5.54	µg/L	EPA 525.2	0.024	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Diphenamid	n/a	=	111	%	EPA 525.2	-88	-88	77	124	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Diphenamid	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Disulfoton	n/a	=	0.0559	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Disulfoton	n/a	=	112	%	EPA 525.2m	-88	-88	12	199	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Disulfoton	n/a	=	0.0521	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Disulfoton	n/a	=	104	%	EPA 525.2m	-88	-88	12	199	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Disulfoton	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Disulfoton	n/a	=	0.0435	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Disulfoton	n/a	=	87	%	EPA 525.2m	-88	-88	12	199	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Disulfoton	n/a	=	0.045	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Disulfoton	n/a	=	90	%	EPA 525.2m	-88	-88	12	199	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Disulfoton	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Disulfoton	n/a	DNQ	0.05	µg/L	EPA 525.2	0.031	0.1			IP
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Disulfoton	n/a	=	7.27	µg/L	EPA 525.2	0.031	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Disulfoton	n/a	=	145	%	EPA 525.2	-88	-88	54	156	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Disulfoton	n/a	=	7.22	µg/L	EPA 525.2	0.031	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Disulfoton	n/a	=	144	%	EPA 525.2	-88	-88	54	156	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Disulfoton	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Disulfoton	n/a	DNQ	0.09	µg/L	EPA 525.2	0.031	0.1			IP
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Disulfoton	n/a	=	7.22	µg/L	EPA 525.2	0.031	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Disulfoton	n/a	=	144	%	EPA 525.2	-88	-88	54	156	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Disulfoton	n/a	=	7.56	µg/L	EPA 525.2	0.031	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Disulfoton	n/a	=	151	%	EPA 525.2	-88	-88	54	156	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Disulfoton	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Disulfoton	n/a	=	0.0545	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Disulfoton	n/a	=	109	%	EPA 525.2m	-88	-88	0.1	212	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Disulfoton	n/a	=	0.0428	µg/L	EPA 525.2m	0.01	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Disulfoton	n/a	=	86	%	EPA 525.2m	-88	-88	0.1	212	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	Endosulfan I	n/a	=	0.075	µg/L	EPA 608	0.0034	0.04			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	Endosulfan I	n/a	=	75	%	EPA 608	-88	-88	0.1	140	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	Endosulfan I	n/a	=	0.0673	µg/L	EPA 608	0.0034	0.04			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	Endosulfan I	n/a	=	67	%	EPA 608	-88	-88	0.1	140	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	Endosulfan I	n/a	=	11	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	Endosulfan I	n/a	=	0.0766	µg/L	EPA 608	0.0017	0.02			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	Endosulfan I	n/a	=	77	%	EPA 608	-88	-88	14	131	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	Endosulfan I	n/a	DNQ	0.083	µg/L	EPA 608	0.0085	0.1			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	Endosulfan I	n/a	=	83	%	EPA 608	-88	-88	0.1	140	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	Endosulfan I	n/a	DNQ	0.0996	µg/L	EPA 608	0.0085	0.1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	Endosulfan I	n/a	=	100	%	EPA 608	-88	-88	0.1	140	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	Endosulfan I	n/a	=	18	%	EPA 608	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	Endosulfan II	n/a	=	0.0805	µg/L	EPA 608	0.0038	0.02			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	Endosulfan II	n/a	=	80	%	EPA 608	-88	-88	17	122	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	Endosulfan II	n/a	=	0.0703	µg/L	EPA 608	0.0038	0.02			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	Endosulfan II	n/a	=	70	%	EPA 608	-88	-88	17	122	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	Endosulfan II	n/a	=	14	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	Endosulfan II	n/a	=	0.0816	µg/L	EPA 608	0.0019	0.01			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	Endosulfan II	n/a	=	82	%	EPA 608	-88	-88	40	121	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	Endosulfan II	n/a	=	0.0819	µg/L	EPA 608	0.0095	0.05			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	Endosulfan II	n/a	=	82	%	EPA 608	-88	-88	17	122	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	Endosulfan II	n/a	=	0.0955	µg/L	EPA 608	0.0095	0.05			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	Endosulfan II	n/a	=	95	%	EPA 608	-88	-88	17	122	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	Endosulfan II	n/a	=	15	%	EPA 608	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0877	µg/L	EPA 608	0.016	0.1			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	Endosulfan sulfate	n/a	=	88	%	EPA 608	-88	-88	37	131	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0736	µg/L	EPA 608	0.016	0.1			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	Endosulfan sulfate	n/a	=	74	%	EPA 608	-88	-88	37	131	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	Endosulfan sulfate	n/a	=	18	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	Endosulfan sulfate	n/a	=	0.0963	µg/L	EPA 608	0.008	0.05			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	Endosulfan sulfate	n/a	=	96	%	EPA 608	-88	-88	44	140	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	Endosulfan sulfate	n/a	DNQ	0.0926	µg/L	EPA 608	0.04	0.25			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	Endosulfan sulfate	n/a	=	93	%	EPA 608	-88	-88	37	131	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	Endosulfan sulfate	n/a	DNQ	0.112	µg/L	EPA 608	0.04	0.25			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	Endosulfan sulfate	n/a	=	112	%	EPA 608	-88	-88	37	131	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	Endosulfan sulfate	n/a	=	19	%	EPA 608	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	Endrin	n/a	=	0.0951	µg/L	EPA 608	0.0056	0.02			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	Endrin	n/a	=	95	%	EPA 608	-88	-88	42	144	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	Endrin	n/a	=	0.0843	µg/L	EPA 608	0.0056	0.02			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	Endrin	n/a	=	84	%	EPA 608	-88	-88	42	144	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	Endrin	n/a	=	12	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	Endrin	n/a	=	0.0937	µg/L	EPA 608	0.0028	0.01			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	Endrin	n/a	=	94	%	EPA 608	-88	-88	40	143	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	Endrin	n/a	=	0.0948	µg/L	EPA 608	0.014	0.05			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	Endrin	n/a	=	95	%	EPA 608	-88	-88	42	144	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	Endrin	n/a	=	0.111	µg/L	EPA 608	0.014	0.05			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	Endrin	n/a	=	111	%	EPA 608	-88	-88	42	144	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	Endrin	n/a	=	15	%	EPA 608	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	Endrin aldehyde	n/a	=	0.0907	µg/L	EPA 608	0.006	0.02			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	Endrin aldehyde	n/a	=	91	%	EPA 608	-88	-88	11	113	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	Endrin aldehyde	n/a	=	0.0752	µg/L	EPA 608	0.006	0.02			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	Endrin aldehyde	n/a	=	75	%	EPA 608	-88	-88	11	113	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	Endrin aldehyde	n/a	=	19	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	Endrin aldehyde	n/a	=	0.097	µg/L	EPA 608	0.003	0.01			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	Endrin aldehyde	n/a	=	97	%	EPA 608	-88	-88	18	136	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	Endrin aldehyde	n/a	=	0.0964	µg/L	EPA 608	0.015	0.05			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	Endrin aldehyde	n/a	=	96	%	EPA 608	-88	-88	11	113	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	Endrin aldehyde	n/a	=	0.114	µg/L	EPA 608	0.015	0.05			GB
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	Endrin aldehyde	n/a	=	114	%	EPA 608	-88	-88	11	113	GB
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	Endrin aldehyde	n/a	=	16	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	EPTC	n/a	=	4.95	µg/L	EPA 525.2	0.017	1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	EPTC	n/a	=	99	%	EPA 525.2	-88	-88	82	116	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	EPTC	n/a	=	4.96	µg/L	EPA 525.2	0.017	1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	EPTC	n/a	=	99	%	EPA 525.2	-88	-88	82	116	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	EPTC	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	EPTC	n/a	=	5.15	µg/L	EPA 525.2	0.017	1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	EPTC	n/a	=	103	%	EPA 525.2	-88	-88	82	116	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	EPTC	n/a	=	5.22	µg/L	EPA 525.2	0.017	1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	EPTC	n/a	=	104	%	EPA 525.2	-88	-88	82	116	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	EPTC	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Ethoprop	n/a	=	0.0686	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Ethoprop	n/a	=	137	%	EPA 525.2m	-88	-88	51	167	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Ethoprop	n/a	=	0.0662	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Ethoprop	n/a	=	132	%	EPA 525.2m	-88	-88	51	167	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Ethoprop	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Ethoprop	n/a	=	0.0477	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Ethoprop	n/a	=	95	%	EPA 525.2m	-88	-88	51	167	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Ethoprop	n/a	=	0.0594	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Ethoprop	n/a	=	119	%	EPA 525.2m	-88	-88	51	167	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Ethoprop	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Ethoprop	n/a	=	0.0655	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Ethoprop	n/a	=	131	%	EPA 525.2m	-88	-88	53	163	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Ethoprop	n/a	=	0.0554	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Ethoprop	n/a	=	111	%	EPA 525.2m	-88	-88	53	163	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Ethyl parathion	n/a	=	0.0724	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Ethyl parathion	n/a	=	145	%	EPA 525.2m	-88	-88	5	229	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Ethyl parathion	n/a	=	0.0624	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Ethyl parathion	n/a	=	125	%	EPA 525.2m	-88	-88	5	229	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Ethyl parathion	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Ethyl parathion	n/a	=	0.0598	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Ethyl parathion	n/a	=	120	%	EPA 525.2m	-88	-88	5	229	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Ethyl parathion	n/a	=	0.0622	µg/L	EPA 525.2m	0.0054	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Ethyl parathion	n/a	=	124	%	EPA 525.2m	-88	-88	5	229	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Ethyl parathion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Ethyl parathion	n/a	=	0.0581	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Ethyl parathion	n/a	=	116	%	EPA 525.2m	-88	-88	7	230	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Ethyl parathion	n/a	=	0.0589	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Ethyl parathion	n/a	=	118	%	EPA 525.2m	-88	-88	7	230	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Fensulfothion	n/a	=	0.0923	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Fensulfothion	n/a	=	185	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Fensulfothion	n/a	=	0.0899	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Fensulfothion	n/a	=	180	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Fensulfothion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Fensulfothion	n/a	=	0.0812	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Fensulfothion	n/a	=	162	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Fensulfothion	n/a	=	0.091	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Fensulfothion	n/a	=	182	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Fensulfothion	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Fensulfothion	n/a	=	0.0963	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Fensulfothion	n/a	=	193	%	EPA 525.2m	-88	-88	0.1	265	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Fensulfothion	n/a	DNQ	0.0093	µg/L	EPA 525.2m	0.0029	0.01			IP
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Fensulfothion	n/a	=	0.103	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Fensulfothion	n/a	=	205	%	EPA 525.2m	-88	-88	0.1	265	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Fenthion	n/a	=	0.0723	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Fenthion	n/a	=	145	%	EPA 525.2m	-88	-88	23	169	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Fenthion	n/a	=	0.0698	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Fenthion	n/a	=	140	%	EPA 525.2m	-88	-88	23	169	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Fenthion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Fenthion	n/a	=	0.0548	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Fenthion	n/a	=	110	%	EPA 525.2m	-88	-88	23	169	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Fenthion	n/a	=	0.0554	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Fenthion	n/a	=	111	%	EPA 525.2m	-88	-88	23	169	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Fenthion	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Fenthion	n/a	=	0.0666	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Fenthion	n/a	=	133	%	EPA 525.2m	-88	-88	20	177	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Fenthion	n/a	=	0.0496	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Fenthion	n/a	=	99	%	EPA 525.2m	-88	-88	20	177	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0872	µg/L	EPA 608	0.0042	0.04			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	87	%	EPA 608	-88	-88	33	112	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0815	µg/L	EPA 608	0.0042	0.04			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	81	%	EPA 608	-88	-88	33	112	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	7	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0915	µg/L	EPA 608	0.0021	0.02			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	92	%	EPA 608	-88	-88	49	117	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	DNQ	0.0911	µg/L	EPA 608	0.01	0.1			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	91	%	EPA 608	-88	-88	33	112	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.106	µg/L	EPA 608	0.01	0.1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	106	%	EPA 608	-88	-88	33	112	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	15	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2014/15-5	000NONPJ	matrix spike	5/18/2015	Pesticide	Glyphosate	n/a	=	58.3	µg/L	EPA 547	9	25			
2014/15-5	000NONPJ	matrix spike, rec	5/18/2015	Pesticide	Glyphosate	n/a	=	47	%	EPA 547	-88	-88	41	149	
2014/15-5	000NONPJ	matrix spike dup	5/18/2015	Pesticide	Glyphosate	n/a	=	55.6	µg/L	EPA 547	9	25			
2014/15-5	000NONPJ	matrix spike dup, rec	5/18/2015	Pesticide	Glyphosate	n/a	=	45	%	EPA 547	-88	-88	41	149	
2014/15-5	000NONPJ	matrix spike, RPD	5/18/2015	Pesticide	Glyphosate	n/a	=	5	%	EPA 547	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	5/26/2015	Pesticide	Glyphosate	n/a	=	96	µg/L	EPA 547	9	25			
2014/15-5	000NONPJ	matrix spike, rec	5/26/2015	Pesticide	Glyphosate	n/a	=	77	%	EPA 547	-88	-88	41	149	
2014/15-5	000NONPJ	matrix spike dup	5/26/2015	Pesticide	Glyphosate	n/a	=	122	µg/L	EPA 547	9	25			
2014/15-5	000NONPJ	matrix spike dup, rec	5/26/2015	Pesticide	Glyphosate	n/a	=	98	%	EPA 547	-88	-88	41	149	
2014/15-5	000NONPJ	matrix spike, RPD	5/26/2015	Pesticide	Glyphosate	n/a	=	24	%	EPA 547	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	5/26/2015	Pesticide	Glyphosate	n/a	=	71.9	µg/L	EPA 547	1.8	5			GB
2014/15-5	000NONPJ	matrix spike, rec	5/26/2015	Pesticide	Glyphosate	n/a	=	263	%	EPA 547	-88	-88	41	149	GB
2014/15-5	000NONPJ	matrix spike dup	5/26/2015	Pesticide	Glyphosate	n/a	=	68.2	µg/L	EPA 547	1.8	5			GB
2014/15-5	000NONPJ	matrix spike dup, rec	5/26/2015	Pesticide	Glyphosate	n/a	=	249	%	EPA 547	-88	-88	41	149	GB
2014/15-5	000NONPJ	matrix spike, RPD	5/26/2015	Pesticide	Glyphosate	n/a	=	5	%	EPA 547	-88	-88	0	30	
2014/15-5	Lab	method blank	5/18/2015	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2014/15-5	Lab	LCS	5/18/2015	Pesticide	Glyphosate	n/a	=	23.9	µg/L	EPA 547	1.8	5			
2014/15-5	Lab	LCS, rec	5/18/2015	Pesticide	Glyphosate	n/a	=	96	%	EPA 547	-88	-88	62	130	
2014/15-5	Lab	LCS	5/26/2015	Pesticide	Glyphosate	n/a	=	23.1	µg/L	EPA 547	1.8	5			
2014/15-5	Lab	LCS, rec	5/26/2015	Pesticide	Glyphosate	n/a	=	93	%	EPA 547	-88	-88	62	130	
2014/15-5	Lab	method blank	5/26/2015	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2014/15-5	ME-SCR	matrix spike	5/18/2015	Pesticide	Glyphosate	n/a	=	30.1	µg/L	EPA 547	1.8	5			
2014/15-5	ME-SCR	matrix spike, rec	5/18/2015	Pesticide	Glyphosate	n/a	=	120	%	EPA 547	-88	-88	41	149	
2014/15-5	ME-SCR	matrix spike dup	5/18/2015	Pesticide	Glyphosate	n/a	=	26.9	µg/L	EPA 547	1.8	5			
2014/15-5	ME-SCR	matrix spike dup, rec	5/18/2015	Pesticide	Glyphosate	n/a	=	108	%	EPA 547	-88	-88	41	149	
2014/15-5	ME-SCR	matrix spike, RPD	5/18/2015	Pesticide	Glyphosate	n/a	=	11	%	EPA 547	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	Heptachlor	n/a	=	0.0831	µg/L	EPA 608	0.0034	0.02			
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	Heptachlor	n/a	=	83	%	EPA 608	-88	-88	28	131	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	Heptachlor	n/a	=	0.0753	µg/L	EPA 608	0.0034	0.02			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	Heptachlor	n/a	=	75	%	EPA 608	-88	-88	28	131	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	Heptachlor	n/a	=	10	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	Heptachlor	n/a	=	0.0864	µg/L	EPA 608	0.0017	0.01			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	Heptachlor	n/a	=	86	%	EPA 608	-88	-88	31	130	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	Heptachlor	n/a	=	0.0874	µg/L	EPA 608	0.0085	0.05			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	Heptachlor	n/a	=	87	%	EPA 608	-88	-88	28	131	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	Heptachlor	n/a	=	0.101	µg/L	EPA 608	0.0085	0.05			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	Heptachlor	n/a	=	101	%	EPA 608	-88	-88	28	131	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	Heptachlor	n/a	=	15	%	EPA 608	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/4/2015	Pesticide	Heptachlor epoxide	n/a	=	0.087	µg/L	EPA 608	0.0038	0.02			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	000NONPJ	matrix spike, rec	6/4/2015	Pesticide	Heptachlor epoxide	n/a	=	87	%	EPA 608	-88	-88	36	117	
2014/15-5	000NONPJ	matrix spike dup	6/4/2015	Pesticide	Heptachlor epoxide	n/a	=	0.0784	µg/L	EPA 608	0.0038	0.02			
2014/15-5	000NONPJ	matrix spike dup, rec	6/4/2015	Pesticide	Heptachlor epoxide	n/a	=	78	%	EPA 608	-88	-88	36	117	
2014/15-5	000NONPJ	matrix spike, RPD	6/4/2015	Pesticide	Heptachlor epoxide	n/a	=	10	%	EPA 608	-88	-88	0	30	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-5	Lab	LCS	6/4/2015	Pesticide	Heptachlor epoxide	n/a	=	0.092	µg/L	EPA 608	0.0019	0.01			
2014/15-5	Lab	LCS, rec	6/4/2015	Pesticide	Heptachlor epoxide	n/a	=	92	%	EPA 608	-88	-88	49	122	
2014/15-5	ME-SCR	matrix spike	6/4/2015	Pesticide	Heptachlor epoxide	n/a	=	0.0894	µg/L	EPA 608	0.0095	0.05			
2014/15-5	ME-SCR	matrix spike, rec	6/4/2015	Pesticide	Heptachlor epoxide	n/a	=	89	%	EPA 608	-88	-88	36	117	
2014/15-5	ME-SCR	matrix spike dup	6/4/2015	Pesticide	Heptachlor epoxide	n/a	=	0.107	µg/L	EPA 608	0.0095	0.05			
2014/15-5	ME-SCR	matrix spike dup, rec	6/4/2015	Pesticide	Heptachlor epoxide	n/a	=	107	%	EPA 608	-88	-88	36	117	
2014/15-5	ME-SCR	matrix spike, RPD	6/4/2015	Pesticide	Heptachlor epoxide	n/a	=	18	%	EPA 608	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Malathion	n/a	=	0.065	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Malathion	n/a	=	130	%	EPA 525.2m	-88	-88	6	184	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Malathion	n/a	=	0.0601	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Malathion	n/a	=	120	%	EPA 525.2m	-88	-88	6	184	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Malathion	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Malathion	n/a	=	0.0617	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Malathion	n/a	=	123	%	EPA 525.2m	-88	-88	6	184	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Malathion	n/a	=	0.0659	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Malathion	n/a	=	132	%	EPA 525.2m	-88	-88	6	184	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Malathion	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Malathion	n/a	=	0.0564	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Malathion	n/a	=	113	%	EPA 525.2m	-88	-88	14	175	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Malathion	n/a	=	0.059	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Malathion	n/a	=	118	%	EPA 525.2m	-88	-88	14	175	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Merphos	n/a	=	0.0755	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Merphos	n/a	=	151	%	EPA 525.2m	-88	-88	3	210	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Merphos	n/a	=	0.0789	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Merphos	n/a	=	158	%	EPA 525.2m	-88	-88	3	210	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Merphos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Merphos	n/a	=	0.0309	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Merphos	n/a	=	62	%	EPA 525.2m	-88	-88	3	210	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Merphos	n/a	=	0.0349	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Merphos	n/a	=	70	%	EPA 525.2m	-88	-88	3	210	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Merphos	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Merphos	n/a	=	0.0893	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Merphos	n/a	=	179	%	EPA 525.2m	-88	-88	28	181	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Merphos	n/a	=	0.0282	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Merphos	n/a	=	56	%	EPA 525.2m	-88	-88	28	181	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Methyl parathion	n/a	=	0.0866	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Methyl parathion	n/a	=	173	%	EPA 525.2m	-88	-88	0.1	249	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Methyl parathion	n/a	=	0.0749	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Methyl parathion	n/a	=	150	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Methyl parathion	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Methyl parathion	n/a	=	0.063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Methyl parathion	n/a	=	126	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Methyl parathion	n/a	=	0.063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Methyl parathion	n/a	=	126	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Methyl parathion	n/a	=	0.01	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Methyl parathion	n/a	=	0.0738	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Methyl parathion	n/a	=	148	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Methyl parathion	n/a	=	0.063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Methyl parathion	n/a	=	126	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Metolachlor	n/a	=	4.25	µg/L	EPA 525.2	0.012	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Metolachlor	n/a	=	85	%	EPA 525.2	-88	-88	61	123	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Metolachlor	n/a	=	4.15	µg/L	EPA 525.2	0.012	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Metolachlor	n/a	=	83	%	EPA 525.2	-88	-88	61	123	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Metolachlor	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Metolachlor	n/a	=	5.29	µg/L	EPA 525.2	0.012	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Metolachlor	n/a	=	106	%	EPA 525.2	-88	-88	61	123	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Metolachlor	n/a	=	5.57	µg/L	EPA 525.2	0.012	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Metolachlor	n/a	=	111	%	EPA 525.2	-88	-88	61	123	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Metolachlor	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Metribuzin	n/a	=	4.15	µg/L	EPA 525.2	0.015	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Metribuzin	n/a	=	83	%	EPA 525.2	-88	-88	50	121	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Metribuzin	n/a	=	4.34	µg/L	EPA 525.2	0.015	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Metribuzin	n/a	=	87	%	EPA 525.2	-88	-88	50	121	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Metribuzin	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Metribuzin	n/a	=	5.35	µg/L	EPA 525.2	0.015	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Metribuzin	n/a	=	107	%	EPA 525.2	-88	-88	50	121	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Metribuzin	n/a	=	5.51	µg/L	EPA 525.2	0.015	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Metribuzin	n/a	=	110	%	EPA 525.2	-88	-88	50	121	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Metribuzin	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Mevinphos	n/a	=	0.0635	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Mevinphos	n/a	=	127	%	EPA 525.2m	-88	-88	25	189	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Mevinphos	n/a	=	0.0608	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Mevinphos	n/a	=	122	%	EPA 525.2m	-88	-88	25	189	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Mevinphos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Mevinphos	n/a	=	0.0418	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Mevinphos	n/a	=	84	%	EPA 525.2m	-88	-88	25	189	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Mevinphos	n/a	=	0.0552	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Mevinphos	n/a	=	110	%	EPA 525.2m	-88	-88	25	189	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Mevinphos	n/a	=	28	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Mevinphos	n/a	=	0.0644	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Mevinphos	n/a	=	129	%	EPA 525.2m	-88	-88	14	202	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Mevinphos	n/a	=	0.0548	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Mevinphos	n/a	=	110	%	EPA 525.2m	-88	-88	14	202	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Molinate	n/a	=	5.11	µg/L	EPA 525.2	0.039	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Molinate	n/a	=	102	%	EPA 525.2	-88	-88	82	117	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Molinate	n/a	=	5.12	µg/L	EPA 525.2	0.039	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Molinate	n/a	=	102	%	EPA 525.2	-88	-88	82	117	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Molinate	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Molinate	n/a	=	5.16	µg/L	EPA 525.2	0.039	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Molinate	n/a	=	103	%	EPA 525.2	-88	-88	82	117	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Molinate	n/a	=	5.25	µg/L	EPA 525.2	0.039	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Molinate	n/a	=	105	%	EPA 525.2	-88	-88	82	117	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Naled	n/a	=	0.103	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Naled	n/a	=	206	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Naled	n/a	=	0.101	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Naled	n/a	=	201	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Naled	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Naled	n/a	=	0.0203	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Naled	n/a	=	41	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Naled	n/a	=	0.0273	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Naled	n/a	=	55	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Naled	n/a	=	29	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Naled	n/a	=	0.0913	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Naled	n/a	=	183	%	EPA 525.2m	-88	-88	0.1	240	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Naled	n/a	DNQ	0.0072	µg/L	EPA 525.2m	0	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Naled	n/a	=	14	%	EPA 525.2m	-88	-88	0.1	240	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	Pentachlorophenol	n/a	=	3.58	µg/L	EPA 515.3	0.04	0.2			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	Pentachlorophenol	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1			
2014/15-5	Lab	LCS	6/3/2015	Pesticide	Pentachlorophenol	n/a	=	9.5	µg/L	EPA 8270Cm	0.15	1			
2014/15-5	Lab	LCS, rec	6/3/2015	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 8270Cm	-88	-88	29	106	
2014/15-5	Lab	LCS dup	6/3/2015	Pesticide	Pentachlorophenol	n/a	=	8.79	µg/L	EPA 8270Cm	0.15	1			
2014/15-5	Lab	LCS dup, rec	6/3/2015	Pesticide	Pentachlorophenol	n/a	=	88	%	EPA 8270Cm	-88	-88	29	106	
2014/15-5	Lab	LCS, RPD	6/3/2015	Pesticide	Pentachlorophenol	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-5	Lab	method blank	6/6/2015	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-5	Lab	LCS	6/6/2015	Pesticide	Pentachlorophenol	n/a	=	20.7	µg/L	EPA 625	0.19	1			
2014/15-5	Lab	LCS, rec	6/6/2015	Pesticide	Pentachlorophenol	n/a	=	83	%	EPA 625	-88	-88	14	176	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	Pentachlorophenol	n/a	=	3.42	µg/L	EPA 515.3	0.04	0.2			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	Pentachlorophenol	n/a	=	3.38	µg/L	EPA 515.3	0.04	0.2			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	Pentachlorophenol	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	Pentachlorophenol	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-5	ME-SCR	matrix spike	6/6/2015	Pesticide	Pentachlorophenol	n/a	=	24.8	µg/L	EPA 625	0.19	1			
2014/15-5	ME-SCR	matrix spike, rec	6/6/2015	Pesticide	Pentachlorophenol	n/a	=	99	%	EPA 625	-88	-88	14	176	
2014/15-5	ME-SCR	matrix spike dup	6/6/2015	Pesticide	Pentachlorophenol	n/a	=	24.8	µg/L	EPA 625	0.19	1			
2014/15-5	ME-SCR	matrix spike dup, rec	6/6/2015	Pesticide	Pentachlorophenol	n/a	=	99	%	EPA 625	-88	-88	14	176	
2014/15-5	ME-SCR	matrix spike, RPD	6/6/2015	Pesticide	Pentachlorophenol	n/a	=	0.08	%	EPA 625	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Phorate	n/a	=	0.0598	µg/L	EPA 525.2m	0.003	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Phorate	n/a	=	120	%	EPA 525.2m	-88	-88	31	181	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Phorate	n/a	=	0.0575	µg/L	EPA 525.2m	0.003	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Phorate	n/a	=	115	%	EPA 525.2m	-88	-88	31	181	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Phorate	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Phorate	n/a	=	0.0562	µg/L	EPA 525.2m	0.003	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Phorate	n/a	=	112	%	EPA 525.2m	-88	-88	31	181	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Phorate	n/a	=	0.053	µg/L	EPA 525.2m	0.003	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Phorate	n/a	=	106	%	EPA 525.2m	-88	-88	31	181	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Phorate	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Phorate	n/a	=	0.0562	µg/L	EPA 525.2m	0.003	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Phorate	n/a	=	112	%	EPA 525.2m	-88	-88	26	180	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Phorate	n/a	=	0.0549	µg/L	EPA 525.2m	0.003	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Phorate	n/a	=	110	%	EPA 525.2m	-88	-88	26	180	
2014/15-5	Lab	method blank	5/29/2015	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2014/15-5	Lab	LCS	5/29/2015	Pesticide	Picloram	n/a	=	4.1	µg/L	EPA 515.3	0.05	0.6			
2014/15-5	Lab	LCS, rec	5/29/2015	Pesticide	Picloram	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike	5/29/2015	Pesticide	Picloram	n/a	=	3.94	µg/L	EPA 515.3	0.05	0.6			
2014/15-5	ME-SCR	matrix spike, rec	5/29/2015	Pesticide	Picloram	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike dup	5/29/2015	Pesticide	Picloram	n/a	=	3.83	µg/L	EPA 515.3	0.05	0.6			
2014/15-5	ME-SCR	matrix spike dup, rec	5/29/2015	Pesticide	Picloram	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-5	ME-SCR	matrix spike, RPD	5/29/2015	Pesticide	Picloram	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Prometon	n/a	=	1.74	µg/L	EPA 525.2	0.024	0.2			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Prometon	n/a	=	35	%	EPA 525.2	-88	-88	17	101	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Prometon	n/a	=	1.28	µg/L	EPA 525.2	0.024	0.2			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Prometon	n/a	=	26	%	EPA 525.2	-88	-88	17	101	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Prometon	n/a	=	30	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Prometon	n/a	=	2.93	µg/L	EPA 525.2	0.024	0.2			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Prometon	n/a	=	59	%	EPA 525.2	-88	-88	17	101	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Prometon	n/a	=	5.37	µg/L	EPA 525.2	0.024	0.2			EUM
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Prometon	n/a	=	107	%	EPA 525.2	-88	-88	17	101	EUM
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Prometon	n/a	=	59	%	EPA 525.2	-88	-88	0	30	IL
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Prometryn	n/a	=	3.26	µg/L	EPA 525.2	0.036	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Prometryn	n/a	=	65	%	EPA 525.2	-88	-88	57	122	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Prometryn	n/a	=	3.14	µg/L	EPA 525.2	0.036	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Prometryn	n/a	=	63	%	EPA 525.2	-88	-88	57	122	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Prometryn	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Prometryn	n/a	=	4.59	µg/L	EPA 525.2	0.036	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Prometryn	n/a	=	92	%	EPA 525.2	-88	-88	57	122	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Prometryn	n/a	=	5.07	µg/L	EPA 525.2	0.036	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Prometryn	n/a	=	101	%	EPA 525.2	-88	-88	57	122	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Prometryn	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.064	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	128	%	EPA 525.2m	-88	-88	29	153	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0626	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	125	%	EPA 525.2m	-88	-88	29	153	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0565	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	113	%	EPA 525.2m	-88	-88	29	153	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0577	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	115	%	EPA 525.2m	-88	-88	29	153	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Ronnel (Fenclorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0595	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	119	%	EPA 525.2m	-88	-88	34	154	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Ronnel (Fenclorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	0.0554	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Ronnel (Fenclorphos)	n/a	=	111	%	EPA 525.2m	-88	-88	34	154	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Simazine	n/a	=	3.96	µg/L	EPA 525.2	0.015	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Simazine	n/a	=	79	%	EPA 525.2	-88	-88	53	116	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Simazine	n/a	=	4.14	µg/L	EPA 525.2	0.015	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Simazine	n/a	=	83	%	EPA 525.2	-88	-88	53	116	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Simazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Simazine	n/a	=	5.01	µg/L	EPA 525.2	0.015	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Simazine	n/a	=	100	%	EPA 525.2	-88	-88	53	116	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Simazine	n/a	=	5.13	µg/L	EPA 525.2	0.015	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Simazine	n/a	=	103	%	EPA 525.2	-88	-88	53	116	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Simazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0682	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	136	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0675	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	135	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0442	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	88	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0534	µg/L	EPA 525.2m	0.0031	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	107	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0691	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	138	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0592	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	118	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Terbacil	n/a	=	5.22	µg/L	EPA 525.2	0.55	2			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Terbacil	n/a	=	104	%	EPA 525.2	-88	-88	70	135	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Terbacil	n/a	=	5.44	µg/L	EPA 525.2	0.55	2			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Terbacil	n/a	=	109	%	EPA 525.2	-88	-88	70	135	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Terbacil	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Terbacil	n/a	=	4.97	µg/L	EPA 525.2	0.55	2			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Terbacil	n/a	=	99	%	EPA 525.2	-88	-88	70	135	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Terbacil	n/a	=	5.12	µg/L	EPA 525.2	0.55	2			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Terbacil	n/a	=	102	%	EPA 525.2	-88	-88	70	135	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Terbacil	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Thiobencarb	n/a	=	4.38	µg/L	EPA 525.2	0.025	0.2			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Thiobencarb	n/a	=	88	%	EPA 525.2	-88	-88	56	125	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Thiobencarb	n/a	=	4.46	µg/L	EPA 525.2	0.025	0.2			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Thiobencarb	n/a	=	89	%	EPA 525.2	-88	-88	56	125	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Thiobencarb	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Thiobencarb	n/a	=	5.44	µg/L	EPA 525.2	0.025	0.2			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Thiobencarb	n/a	=	109	%	EPA 525.2	-88	-88	56	125	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Thiobencarb	n/a	=	5.66	µg/L	EPA 525.2	0.025	0.2			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Thiobencarb	n/a	=	113	%	EPA 525.2	-88	-88	56	125	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Thiobencarb	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Tokuthion	n/a	=	0.0467	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Tokuthion	n/a	=	93	%	EPA 525.2m	-88	-88	27	160	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Tokuthion	n/a	=	0.0476	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Tokuthion	n/a	=	95	%	EPA 525.2m	-88	-88	27	160	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Tokuthion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Tokuthion	n/a	=	0.0356	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Tokuthion	n/a	=	71	%	EPA 525.2m	-88	-88	27	160	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Tokuthion	n/a	=	0.0385	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Tokuthion	n/a	=	77	%	EPA 525.2m	-88	-88	27	160	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Tokuthion	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Tokuthion	n/a	=	0.0533	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Tokuthion	n/a	=	107	%	EPA 525.2m	-88	-88	23	159	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Tokuthion	n/a	=	0.0483	µg/L	EPA 525.2m	0.0078	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Tokuthion	n/a	=	97	%	EPA 525.2m	-88	-88	23	159	
2014/15-5	Lab	method blank	6/4/2015	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2014/15-5	000NONPJ	matrix spike	6/8/2015	Pesticide	Trichloronate	n/a	=	0.0601	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/8/2015	Pesticide	Trichloronate	n/a	=	120	%	EPA 525.2m	-88	-88	40	150	
2014/15-5	000NONPJ	matrix spike dup	6/8/2015	Pesticide	Trichloronate	n/a	=	0.059	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/8/2015	Pesticide	Trichloronate	n/a	=	118	%	EPA 525.2m	-88	-88	40	150	
2014/15-5	000NONPJ	matrix spike, RPD	6/8/2015	Pesticide	Trichloronate	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	000NONPJ	matrix spike	6/13/2015	Pesticide	Trichloronate	n/a	=	0.0552	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	000NONPJ	matrix spike, rec	6/13/2015	Pesticide	Trichloronate	n/a	=	110	%	EPA 525.2m	-88	-88	40	150	
2014/15-5	000NONPJ	matrix spike dup	6/13/2015	Pesticide	Trichloronate	n/a	=	0.0534	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	000NONPJ	matrix spike dup, rec	6/13/2015	Pesticide	Trichloronate	n/a	=	107	%	EPA 525.2m	-88	-88	40	150	
2014/15-5	000NONPJ	matrix spike, RPD	6/13/2015	Pesticide	Trichloronate	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-5	Lab	method blank	6/8/2015	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	Lab	LCS	6/8/2015	Pesticide	Trichloronate	n/a	=	0.0564	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	Lab	LCS, rec	6/8/2015	Pesticide	Trichloronate	n/a	=	113	%	EPA 525.2m	-88	-88	34	153	
2014/15-5	Lab	method blank	6/13/2015	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	Lab	LCS	6/13/2015	Pesticide	Trichloronate	n/a	=	0.0539	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	Lab	LCS, rec	6/13/2015	Pesticide	Trichloronate	n/a	=	108	%	EPA 525.2m	-88	-88	34	153	
2014/15-5	Lab	method blank	6/15/2015	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	Lab	LCS	6/15/2015	Pesticide	Trichloronate	n/a	=	0.0578	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-5	Lab	LCS, rec	6/15/2015	Pesticide	Trichloronate	n/a	=	116	%	EPA 525.2m	-88	-88	34	153	
2014/15-5	Lab	method blank	5/30/2015	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-5	Lab	LCS	5/30/2015	Pesticide	Trithion	n/a	=	5.02	µg/L	EPA 525.2	0.012	0.1			
2014/15-5	Lab	LCS, rec	5/30/2015	Pesticide	Trithion	n/a	=	100	%	EPA 525.2	-88	-88	60	124	
2014/15-5	Lab	LCS dup	5/30/2015	Pesticide	Trithion	n/a	=	5	µg/L	EPA 525.2	0.012	0.1			
2014/15-5	Lab	LCS dup, rec	5/30/2015	Pesticide	Trithion	n/a	=	100	%	EPA 525.2	-88	-88	60	124	
2014/15-5	Lab	LCS, RPD	5/30/2015	Pesticide	Trithion	n/a	=	0.4	%	EPA 525.2	-88	-88	0	30	
2014/15-5	Lab	method blank	6/2/2015	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-5	Lab	LCS	6/2/2015	Pesticide	Trithion	n/a	=	5.6	µg/L	EPA 525.2	0.012	0.1			
2014/15-5	Lab	LCS, rec	6/2/2015	Pesticide	Trithion	n/a	=	112	%	EPA 525.2	-88	-88	60	124	
2014/15-5	Lab	LCS dup	6/2/2015	Pesticide	Trithion	n/a	=	5.64	µg/L	EPA 525.2	0.012	0.1			
2014/15-5	Lab	LCS dup, rec	6/2/2015	Pesticide	Trithion	n/a	=	113	%	EPA 525.2	-88	-88	60	124	
2014/15-5	Lab	LCS, RPD	6/2/2015	Pesticide	Trithion	n/a	=	0.7	%	EPA 525.2	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	6/23/2015	Anion	Chloride	n/a	=	98.6	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike, rec	6/23/2015	Anion	Chloride	n/a	=	86	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike dup	6/23/2015	Anion	Chloride	n/a	=	98.7	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike dup, rec	6/23/2015	Anion	Chloride	n/a	=	86	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike, RPD	6/23/2015	Anion	Chloride	n/a	=	0.07	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	lab duplicate	6/23/2015	Anion	Chloride	n/a	=	243	mg/L	EPA 300.0	2.5	12	0	20	
2014/15-6	000NONPJ	matrix spike	6/23/2015	Anion	Chloride	n/a	=	418	mg/L	EPA 300.0	5	25			
2014/15-6	000NONPJ	matrix spike, rec	6/23/2015	Anion	Chloride	n/a	=	84	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike dup	6/23/2015	Anion	Chloride	n/a	=	418	mg/L	EPA 300.0	5	25			
2014/15-6	000NONPJ	matrix spike dup, rec	6/23/2015	Anion	Chloride	n/a	=	84	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike, RPD	6/23/2015	Anion	Chloride	n/a	=	0.04	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/2/2015	Anion	Chloride	n/a	=	215	mg/L	EPA 300.0	2.5	12			
2014/15-6	000NONPJ	matrix spike, rec	7/2/2015	Anion	Chloride	n/a	=	88	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike dup	7/2/2015	Anion	Chloride	n/a	=	214	mg/L	EPA 300.0	2.5	12			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike dup, rec	7/2/2015	Anion	Chloride	n/a	=	87	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike, RPD	7/2/2015	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/2/2015	Anion	Chloride	n/a	=	42.9	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike, rec	7/2/2015	Anion	Chloride	n/a	=	93	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike dup	7/2/2015	Anion	Chloride	n/a	=	42.5	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike dup, rec	7/2/2015	Anion	Chloride	n/a	=	92	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike, RPD	7/2/2015	Anion	Chloride	n/a	=	1	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/3/2015	Anion	Chloride	n/a	=	396	mg/L	EPA 300.0	5	25			
2014/15-6	000NONPJ	matrix spike, rec	7/3/2015	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike dup	7/3/2015	Anion	Chloride	n/a	=	390	mg/L	EPA 300.0	5	25			
2014/15-6	000NONPJ	matrix spike dup, rec	7/3/2015	Anion	Chloride	n/a	=	94	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike, RPD	7/3/2015	Anion	Chloride	n/a	=	2	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/3/2015	Anion	Chloride	n/a	=	262	mg/L	EPA 300.0	5	25			
2014/15-6	000NONPJ	matrix spike, rec	7/3/2015	Anion	Chloride	n/a	=	94	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike dup	7/3/2015	Anion	Chloride	n/a	=	261	mg/L	EPA 300.0	5	25			
2014/15-6	000NONPJ	matrix spike dup, rec	7/3/2015	Anion	Chloride	n/a	=	94	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike, RPD	7/3/2015	Anion	Chloride	n/a	=	0.3	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Anion	Chloride	n/a	=	86.6	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Anion	Chloride	n/a	=	88	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Anion	Chloride	n/a	=	84.7	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Anion	Chloride	n/a	=	83	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Anion	Chloride	n/a	=	2	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Anion	Chloride	n/a	=	71.9	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Anion	Chloride	n/a	=	86	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Anion	Chloride	n/a	=	71.3	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Anion	Chloride	n/a	=	85	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Anion	Chloride	n/a	=	0.8	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	lab duplicate	7/14/2015	Anion	Chloride	n/a	=	303	mg/L	EPA 300.0	2.5	12	0	20	
2014/15-6	000NONPJ	matrix spike	7/15/2015	Anion	Chloride	n/a	=	74.7	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike, rec	7/15/2015	Anion	Chloride	n/a	=	89	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike dup	7/15/2015	Anion	Chloride	n/a	=	75.5	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike dup, rec	7/15/2015	Anion	Chloride	n/a	=	91	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike, RPD	7/15/2015	Anion	Chloride	n/a	=	1	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/15/2015	Anion	Chloride	n/a	=	65.6	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike, rec	7/15/2015	Anion	Chloride	n/a	=	93	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike dup	7/15/2015	Anion	Chloride	n/a	=	66	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike dup, rec	7/15/2015	Anion	Chloride	n/a	=	94	%	EPA 300.0	-88	-88	76	118	
2014/15-6	000NONPJ	matrix spike, RPD	7/15/2015	Anion	Chloride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2014/15-6	Lab	method blank	6/23/2015	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2014/15-6	Lab	LCS	6/23/2015	Anion	Chloride	n/a	=	3.87	mg/L	EPA 300.0	0.1	0.5			
2014/15-6	Lab	LCS, rec	6/23/2015	Anion	Chloride	n/a	=	97	%	EPA 300.0	-88	-88	90	110	
2014/15-6	Lab	method blank	7/2/2015	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2014/15-6	Lab	LCS	7/2/2015	Anion	Chloride	n/a	=	4.02	mg/L	EPA 300.0	0.1	0.5			
2014/15-6	Lab	LCS, rec	7/2/2015	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	
2014/15-6	Lab	method blank	7/3/2015	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2014/15-6	Lab	LCS	7/3/2015	Anion	Chloride	n/a	=	4.01	mg/L	EPA 300.0	0.1	0.5			
2014/15-6	Lab	LCS, rec	7/3/2015	Anion	Chloride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/14/2015	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2014/15-6	Lab	LCS	7/14/2015	Anion	Chloride	n/a	=	3.95	mg/L	EPA 300.0	0.1	0.5			
2014/15-6	Lab	LCS, rec	7/14/2015	Anion	Chloride	n/a	=	99	%	EPA 300.0	-88	-88	90	110	
2014/15-6	Lab	method blank	7/15/2015	Anion	Chloride	n/a	<	0.1	mg/L	EPA 300.0	0.1	0.5			
2014/15-6	Lab	LCS	7/15/2015	Anion	Chloride	n/a	=	3.78	mg/L	EPA 300.0	0.1	0.5			
2014/15-6	Lab	LCS, rec	7/15/2015	Anion	Chloride	n/a	=	95	%	EPA 300.0	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike	6/23/2015	Anion	Fluoride	n/a	=	19.7	mg/L	EPA 300.0	0.2	1			
2014/15-6	000NONPJ	matrix spike, rec	6/23/2015	Anion	Fluoride	n/a	=	95	%	EPA 300.0	-88	-88	86	107	
2014/15-6	000NONPJ	matrix spike dup	6/23/2015	Anion	Fluoride	n/a	=	20.1	mg/L	EPA 300.0	0.2	1			
2014/15-6	000NONPJ	matrix spike dup, rec	6/23/2015	Anion	Fluoride	n/a	=	97	%	EPA 300.0	-88	-88	86	107	
2014/15-6	000NONPJ	matrix spike, RPD	6/23/2015	Anion	Fluoride	n/a	=	2	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	lab duplicate	6/23/2015	Anion	Fluoride	n/a	<	0.5	mg/L	EPA 300.0	0.5	2.5	0	20	
2014/15-6	000NONPJ	matrix spike	6/23/2015	Anion	Fluoride	n/a	=	95.4	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike, rec	6/23/2015	Anion	Fluoride	n/a	=	95	%	EPA 300.0	-88	-88	86	107	
2014/15-6	000NONPJ	matrix spike dup	6/23/2015	Anion	Fluoride	n/a	=	95.9	mg/L	EPA 300.0	1	5			
2014/15-6	000NONPJ	matrix spike dup, rec	6/23/2015	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2014/15-6	000NONPJ	matrix spike, RPD	6/23/2015	Anion	Fluoride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/2/2015	Anion	Fluoride	n/a	=	48.9	mg/L	EPA 300.0	0.5	2.5			
2014/15-6	000NONPJ	matrix spike, rec	7/2/2015	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2014/15-6	000NONPJ	matrix spike dup	7/2/2015	Anion	Fluoride	n/a	=	48.6	mg/L	EPA 300.0	0.5	2.5			
2014/15-6	000NONPJ	matrix spike dup, rec	7/2/2015	Anion	Fluoride	n/a	=	96	%	EPA 300.0	-88	-88	86	107	
2014/15-6	000NONPJ	matrix spike, RPD	7/2/2015	Anion	Fluoride	n/a	=	0.6	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/2/2015	Anion	Fluoride	n/a	=	19.6	mg/L	EPA 300.0	0.2	1			
2014/15-6	000NONPJ	matrix spike, rec	7/2/2015	Anion	Fluoride	n/a	=	98	%	EPA 300.0	-88	-88	86	107	
2014/15-6	000NONPJ	matrix spike dup	7/2/2015	Anion	Fluoride	n/a	=	19.4	mg/L	EPA 300.0	0.2	1			
2014/15-6	000NONPJ	matrix spike dup, rec	7/2/2015	Anion	Fluoride	n/a	=	97	%	EPA 300.0	-88	-88	86	107	
2014/15-6	000NONPJ	matrix spike, RPD	7/2/2015	Anion	Fluoride	n/a	=	0.7	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Anion	Fluoride	n/a	=	18.8	mg/L	EPA 300.0	0.2	1			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Anion	Fluoride	n/a	=	92	%	EPA 300.0	-88	-88	86	107	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Anion	Fluoride	n/a	=	19	mg/L	EPA 300.0	0.2	1			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Anion	Fluoride	n/a	=	93	%	EPA 300.0	-88	-88	86	107	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Anion	Fluoride	n/a	=	1	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Anion	Fluoride	n/a	=	18.9	mg/L	EPA 300.0	0.2	1			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Anion	Fluoride	n/a	=	93	%	EPA 300.0	-88	-88	86	107	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Anion	Fluoride	n/a	=	19	mg/L	EPA 300.0	0.2	1			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Anion	Fluoride	n/a	=	94	%	EPA 300.0	-88	-88	86	107	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Anion	Fluoride	n/a	=	0.5	%	EPA 300.0	-88	-88	0	20	
2014/15-6	000NONPJ	lab duplicate	7/14/2015	Anion	Fluoride	n/a	DNQ	1.62	mg/L	EPA 300.0	0.5	2.5	0	20	
2014/15-6	Lab	method blank	6/23/2015	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2014/15-6	Lab	LCS	6/23/2015	Anion	Fluoride	n/a	=	1.82	mg/L	EPA 300.0	0.02	0.1			
2014/15-6	Lab	LCS, rec	6/23/2015	Anion	Fluoride	n/a	=	91	%	EPA 300.0	-88	-88	90	110	
2014/15-6	Lab	method blank	7/2/2015	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2014/15-6	Lab	LCS	7/2/2015	Anion	Fluoride	n/a	=	2.12	mg/L	EPA 300.0	0.02	0.1			
2014/15-6	Lab	LCS, rec	7/2/2015	Anion	Fluoride	n/a	=	106	%	EPA 300.0	-88	-88	90	110	
2014/15-6	Lab	method blank	7/14/2015	Anion	Fluoride	n/a	<	0.02	mg/L	EPA 300.0	0.02	0.1			
2014/15-6	Lab	LCS	7/14/2015	Anion	Fluoride	n/a	=	1.99	mg/L	EPA 300.0	0.02	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Anion	Fluoride	n/a	=	100	%	EPA 300.0	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike	6/23/2015	Anion	Perchlorate	n/a	=	9.75	µg/L	EPA 314.0	0.95	2			
2014/15-6	000NONPJ	matrix spike, rec	6/23/2015	Anion	Perchlorate	n/a	=	98	%	EPA 314.0	-88	-88	80	120	
2014/15-6	000NONPJ	matrix spike dup	6/23/2015	Anion	Perchlorate	n/a	=	9.39	µg/L	EPA 314.0	0.95	2			
2014/15-6	000NONPJ	matrix spike dup, rec	6/23/2015	Anion	Perchlorate	n/a	=	94	%	EPA 314.0	-88	-88	80	120	
2014/15-6	000NONPJ	matrix spike, RPD	6/23/2015	Anion	Perchlorate	n/a	=	4	%	EPA 314.0	-88	-88	0	15	
2014/15-6	000NONPJ	matrix spike	7/1/2015	Anion	Perchlorate	n/a	=	12.4	µg/L	EPA 314.0	0.95	2			
2014/15-6	000NONPJ	matrix spike, rec	7/1/2015	Anion	Perchlorate	n/a	=	97	%	EPA 314.0	-88	-88	80	120	
2014/15-6	000NONPJ	matrix spike dup	7/1/2015	Anion	Perchlorate	n/a	=	12.4	µg/L	EPA 314.0	0.95	2			
2014/15-6	000NONPJ	matrix spike dup, rec	7/1/2015	Anion	Perchlorate	n/a	=	97	%	EPA 314.0	-88	-88	80	120	
2014/15-6	000NONPJ	matrix spike, RPD	7/1/2015	Anion	Perchlorate	n/a	=	0.03	%	EPA 314.0	-88	-88	0	15	
2014/15-6	000NONPJ	matrix spike	7/2/2015	Anion	Perchlorate	n/a	=	16.8	µg/L	EPA 314.0	0.95	2			
2014/15-6	000NONPJ	matrix spike, rec	7/2/2015	Anion	Perchlorate	n/a	=	100	%	EPA 314.0	-88	-88	80	120	
2014/15-6	000NONPJ	matrix spike dup	7/2/2015	Anion	Perchlorate	n/a	=	16.7	µg/L	EPA 314.0	0.95	2			
2014/15-6	000NONPJ	matrix spike dup, rec	7/2/2015	Anion	Perchlorate	n/a	=	99	%	EPA 314.0	-88	-88	80	120	
2014/15-6	000NONPJ	matrix spike, RPD	7/2/2015	Anion	Perchlorate	n/a	=	0.3	%	EPA 314.0	-88	-88	0	15	
2014/15-6	000NONPJ	matrix spike	7/6/2015	Anion	Perchlorate	n/a	=	12.2	µg/L	EPA 314.0	0.95	2			
2014/15-6	000NONPJ	matrix spike, rec	7/6/2015	Anion	Perchlorate	n/a	=	95	%	EPA 314.0	-88	-88	80	120	
2014/15-6	000NONPJ	matrix spike dup	7/6/2015	Anion	Perchlorate	n/a	=	12.3	µg/L	EPA 314.0	0.95	2			
2014/15-6	000NONPJ	matrix spike dup, rec	7/6/2015	Anion	Perchlorate	n/a	=	97	%	EPA 314.0	-88	-88	80	120	
2014/15-6	000NONPJ	matrix spike, RPD	7/6/2015	Anion	Perchlorate	n/a	=	1	%	EPA 314.0	-88	-88	0	15	
2014/15-6	Lab	method blank	6/23/2015	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-6	Lab	LCS	6/23/2015	Anion	Perchlorate	n/a	=	10.3	µg/L	EPA 314.0	0.95	2			
2014/15-6	Lab	LCS, rec	6/23/2015	Anion	Perchlorate	n/a	=	103	%	EPA 314.0	-88	-88	85	115	
2014/15-6	Lab	method blank	7/1/2015	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-6	Lab	LCS	7/1/2015	Anion	Perchlorate	n/a	=	10.5	µg/L	EPA 314.0	0.95	2			
2014/15-6	Lab	LCS, rec	7/1/2015	Anion	Perchlorate	n/a	=	105	%	EPA 314.0	-88	-88	85	115	
2014/15-6	Lab	method blank	7/2/2015	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-6	Lab	LCS	7/2/2015	Anion	Perchlorate	n/a	=	10.7	µg/L	EPA 314.0	0.95	2			
2014/15-6	Lab	LCS, rec	7/2/2015	Anion	Perchlorate	n/a	=	107	%	EPA 314.0	-88	-88	85	115	
2014/15-6	Lab	method blank	7/6/2015	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-6	Lab	LCS	7/6/2015	Anion	Perchlorate	n/a	=	10.3	µg/L	EPA 314.0	0.95	2			
2014/15-6	Lab	LCS, rec	7/6/2015	Anion	Perchlorate	n/a	=	103	%	EPA 314.0	-88	-88	85	115	
2014/15-6	Lab	method blank	7/9/2015	Anion	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2			
2014/15-6	Lab	LCS	7/9/2015	Anion	Perchlorate	n/a	=	11.3	µg/L	EPA 314.0	0.95	2			
2014/15-6	Lab	LCS, rec	7/9/2015	Anion	Perchlorate	n/a	=	113	%	EPA 314.0	-88	-88	85	115	
2014/15-6	MO-CAM	matrix spike	7/9/2015	Anion	Perchlorate	n/a	=	42	µg/L	EPA 314.0	1.9	4			
2014/15-6	MO-CAM	matrix spike, rec	7/9/2015	Anion	Perchlorate	n/a	=	103	%	EPA 314.0	-88	-88	80	120	
2014/15-6	MO-CAM	matrix spike dup	7/9/2015	Anion	Perchlorate	n/a	=	42.7	µg/L	EPA 314.0	1.9	4			
2014/15-6	MO-CAM	matrix spike dup, rec	7/9/2015	Anion	Perchlorate	n/a	=	106	%	EPA 314.0	-88	-88	80	120	
2014/15-6	MO-CAM	matrix spike, RPD	7/9/2015	Anion	Perchlorate	n/a	=	2	%	EPA 314.0	-88	-88	0	15	
2014/15-6	Lab	method blank	6/24/2015	Bacteriological	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2014/15-6	MO-THO	field duplicate	7/8/2015	Bacteriological	E. Coli	n/a	=	10	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2014/15-6	Lab	method blank	6/24/2015	Bacteriological	Enterococcus	n/a	<	10	MPN/100 mL	Enterolert	10	10	-88	10	
2014/15-6	MO-THO	field duplicate	7/10/2015	Bacteriological	Fecal Coliform	n/a	=	50000	MPN/100 mL	SM 9221 E	2	2	-88	-88	
2014/15-6	Lab	method blank	6/24/2015	Bacteriological	Total Coliform	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	-88	10	
2014/15-6	MO-THO	field duplicate	7/8/2015	Bacteriological	Total Coliform	n/a	=	17239	MPN/100 mL	MMO-MUG	10	10	-88	-88	
2014/15-6	Lab	method blank	6/29/2015	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	6/29/2015	Cation	Calcium	Total	=	49.7	mg/L	EPA 200.7	0.016	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Cation	Calcium	Total	DNQ	0.0174	mg/L	EPA 200.7	0.016	0.1			
2014/15-6	Lab	LCS	7/7/2015	Cation	Calcium	Total	=	49.1	mg/L	EPA 200.7	0.016	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Cation	Calcium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2014/15-6	Lab	method blank	7/13/2015	Cation	Calcium	Total	<	0.016	mg/L	EPA 200.7	0.016	0.1			
2014/15-6	Lab	LCS	7/13/2015	Cation	Calcium	Total	=	49.5	mg/L	EPA 200.7	0.016	0.1			
2014/15-6	Lab	LCS, rec	7/13/2015	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2014/15-6	ME-SCR	matrix spike	7/7/2015	Cation	Calcium	Total	=	247	mg/L	EPA 200.7	0.016	0.1			
2014/15-6	ME-SCR	matrix spike, rec	7/7/2015	Cation	Calcium	Total	=	81	%	EPA 200.7	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/7/2015	Cation	Calcium	Total	=	248	mg/L	EPA 200.7	0.016	0.1			
2014/15-6	ME-SCR	matrix spike dup, rec	7/7/2015	Cation	Calcium	Total	=	83	%	EPA 200.7	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/7/2015	Cation	Calcium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2014/15-6	MO-OJA	matrix spike	6/29/2015	Cation	Calcium	Total	=	242	mg/L	EPA 200.7	0.016	0.1			
2014/15-6	MO-OJA	matrix spike, rec	6/29/2015	Cation	Calcium	Total	=	106	%	EPA 200.7	-88	-88	70	130	
2014/15-6	MO-OJA	matrix spike dup	6/29/2015	Cation	Calcium	Total	=	236	mg/L	EPA 200.7	0.016	0.1			
2014/15-6	MO-OJA	matrix spike dup, rec	6/29/2015	Cation	Calcium	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2014/15-6	MO-OJA	matrix spike, RPD	6/29/2015	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-6	MO-THO	matrix spike	7/13/2015	Cation	Calcium	Total	=	99.9	mg/L	EPA 200.7	0.016	0.1			
2014/15-6	MO-THO	matrix spike, rec	7/13/2015	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2014/15-6	MO-THO	matrix spike dup	7/13/2015	Cation	Calcium	Total	=	98.3	mg/L	EPA 200.7	0.016	0.1			
2014/15-6	MO-THO	matrix spike dup, rec	7/13/2015	Cation	Calcium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2014/15-6	MO-THO	matrix spike, RPD	7/13/2015	Cation	Calcium	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-6	Lab	method blank	6/29/2015	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2014/15-6	Lab	LCS	6/29/2015	Cation	Magnesium	Total	=	49.2	mg/L	EPA 200.7	0.012	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2014/15-6	Lab	LCS	7/7/2015	Cation	Magnesium	Total	=	49.4	mg/L	EPA 200.7	0.012	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	85	115	
2014/15-6	Lab	method blank	7/13/2015	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2014/15-6	Lab	LCS	7/13/2015	Cation	Magnesium	Total	=	49.6	mg/L	EPA 200.7	0.012	0.1			
2014/15-6	Lab	LCS, rec	7/13/2015	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	85	115	
2014/15-6	ME-SCR	matrix spike	7/7/2015	Cation	Magnesium	Total	=	148	mg/L	EPA 200.7	0.012	0.1			
2014/15-6	ME-SCR	matrix spike, rec	7/7/2015	Cation	Magnesium	Total	=	85	%	EPA 200.7	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/7/2015	Cation	Magnesium	Total	=	148	mg/L	EPA 200.7	0.012	0.1			
2014/15-6	ME-SCR	matrix spike dup, rec	7/7/2015	Cation	Magnesium	Total	=	83	%	EPA 200.7	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/7/2015	Cation	Magnesium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2014/15-6	MO-OJA	matrix spike	6/29/2015	Cation	Magnesium	Total	=	74	mg/L	EPA 200.7	0.012	0.1			
2014/15-6	MO-OJA	matrix spike, rec	6/29/2015	Cation	Magnesium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2014/15-6	MO-OJA	matrix spike dup	6/29/2015	Cation	Magnesium	Total	=	73.6	mg/L	EPA 200.7	0.012	0.1			
2014/15-6	MO-OJA	matrix spike dup, rec	6/29/2015	Cation	Magnesium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2014/15-6	MO-OJA	matrix spike, RPD	6/29/2015	Cation	Magnesium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2014/15-6	MO-THO	matrix spike	7/13/2015	Cation	Magnesium	Total	=	68.9	mg/L	EPA 200.7	0.012	0.1			
2014/15-6	MO-THO	matrix spike, rec	7/13/2015	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2014/15-6	MO-THO	matrix spike dup	7/13/2015	Cation	Magnesium	Total	=	68.2	mg/L	EPA 200.7	0.012	0.1			
2014/15-6	MO-THO	matrix spike dup, rec	7/13/2015	Cation	Magnesium	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2014/15-6	MO-THO	matrix spike, RPD	7/13/2015	Cation	Magnesium	Total	=	1	%	EPA 200.7	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	lab duplicate	6/25/2015	Conventional	Alkalinity as CaCO3	n/a	=	273	mg/L	SM 2320 B	0.56	10	0	15	
2014/15-6	000NONPJ	lab duplicate	6/27/2015	Conventional	Alkalinity as CaCO3	n/a	=	3.21	mg/L	SM 2320 B	0.56	2	0	15	
2014/15-6	000NONPJ	lab duplicate	7/8/2015	Conventional	Alkalinity as CaCO3	n/a	=	169	mg/L	SM 2320 B	0.56	10	0	15	
2014/15-6	000NONPJ	lab duplicate	7/10/2015	Conventional	Alkalinity as CaCO3	n/a	=	4.01	mg/L	SM 2320 B	0.56	2	0	15	
2014/15-6	Lab	LCS	6/25/2015	Conventional	Alkalinity as CaCO3	n/a	=	253	mg/L	SM 2320 B	0.56	10			
2014/15-6	Lab	LCS, rec	6/25/2015	Conventional	Alkalinity as CaCO3	n/a	=	101	%	SM 2320 B	-88	-88	94	108	
2014/15-6	Lab	method blank	6/25/2015	Conventional	Alkalinity as CaCO3	n/a	DNQ	4.42	mg/L	SM 2320 B	0.56	10			
2014/15-6	Lab	LCS	6/27/2015	Conventional	Alkalinity as CaCO3	n/a	=	248	mg/L	SM 2320 B	0.56	2			
2014/15-6	Lab	LCS, rec	6/27/2015	Conventional	Alkalinity as CaCO3	n/a	=	99	%	SM 2320 B	-88	-88	94	108	
2014/15-6	Lab	method blank	6/27/2015	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.4	mg/L	SM 2320 B	0.56	2			
2014/15-6	Lab	LCS	7/8/2015	Conventional	Alkalinity as CaCO3	n/a	=	259	mg/L	SM 2320 B	0.56	10			
2014/15-6	Lab	LCS, rec	7/8/2015	Conventional	Alkalinity as CaCO3	n/a	=	104	%	SM 2320 B	-88	-88	94	108	
2014/15-6	Lab	method blank	7/8/2015	Conventional	Alkalinity as CaCO3	n/a	DNQ	4.27	mg/L	SM 2320 B	0.56	10			
2014/15-6	Lab	LCS	7/10/2015	Conventional	Alkalinity as CaCO3	n/a	=	255	mg/L	SM 2320 B	0.56	2			
2014/15-6	Lab	LCS, rec	7/10/2015	Conventional	Alkalinity as CaCO3	n/a	=	102	%	SM 2320 B	-88	-88	94	108	
2014/15-6	Lab	method blank	7/10/2015	Conventional	Alkalinity as CaCO3	n/a	DNQ	1.4	mg/L	SM 2320 B	0.56	2			
2014/15-6	000NONPJ	lab duplicate	7/13/2015	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	0	20	
2014/15-6	Lab	LCS	6/29/2015	Conventional	BOD	n/a	=	176	mg/L	SM 5210 B	2	2			
2014/15-6	Lab	LCS, rec	6/29/2015	Conventional	BOD	n/a	=	89	%	SM 5210 B	-88	-88	85	115	
2014/15-6	Lab	LCS	7/7/2015	Conventional	BOD	n/a	=	170	mg/L	SM 5210 B	2	2			
2014/15-6	Lab	LCS, rec	7/7/2015	Conventional	BOD	n/a	=	86	%	SM 5210 B	-88	-88	85	115	
2014/15-6	Lab	LCS	7/13/2015	Conventional	BOD	n/a	=	170	mg/L	SM 5210 B	2	2			
2014/15-6	Lab	LCS, rec	7/13/2015	Conventional	BOD	n/a	=	86	%	SM 5210 B	-88	-88	85	115	
2014/15-6	ME-SCR	lab duplicate	7/7/2015	Conventional	BOD	n/a	=	2.63	mg/L	SM 5210 B	2	2	0	20	
2014/15-6	ME-VR2	lab duplicate	6/29/2015	Conventional	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	0	20	
2014/15-6	000NONPJ	lab duplicate	6/29/2015	Conventional	COD	n/a	=	5490	mg/L	EPA 410.4	2.9	20	0	15	
2014/15-6	000NONPJ	matrix spike	6/29/2015	Conventional	COD	n/a	=	2650	mg/L	EPA 410.4	1.5	10			
2014/15-6	000NONPJ	matrix spike dup	6/29/2015	Conventional	COD	n/a	=	2660	mg/L	EPA 410.4	1.5	10			
2014/15-6	000NONPJ	matrix spike dup, rec	6/29/2015	Conventional	COD	n/a	=	102	%	EPA 410.4	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, rec	6/29/2015	Conventional	COD	n/a	=	101	%	EPA 410.4	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	6/29/2015	Conventional	COD	n/a	=	0.6	%	EPA 410.4	-88	-88	0	15	
2014/15-6	000NONPJ	lab duplicate	7/7/2015	Conventional	COD	n/a	=	7600	mg/L	EPA 410.4	15	100	0	15	
2014/15-6	000NONPJ	matrix spike	7/7/2015	Conventional	COD	n/a	=	219	mg/L	EPA 410.4	1.5	10			
2014/15-6	000NONPJ	matrix spike	7/7/2015	Conventional	COD	n/a	=	2300	mg/L	EPA 410.4	1.5	10			
2014/15-6	000NONPJ	matrix spike dup	7/7/2015	Conventional	COD	n/a	=	2300	mg/L	EPA 410.4	1.5	10			
2014/15-6	000NONPJ	matrix spike dup	7/7/2015	Conventional	COD	n/a	=	215	mg/L	EPA 410.4	1.5	10			
2014/15-6	000NONPJ	matrix spike dup, rec	7/7/2015	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike dup, rec	7/7/2015	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, rec	7/7/2015	Conventional	COD	n/a	=	100	%	EPA 410.4	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	7/7/2015	Conventional	COD	n/a	=	2	%	EPA 410.4	-88	-88	0	15	
2014/15-6	000NONPJ	matrix spike, RPD	7/7/2015	Conventional	COD	n/a	=	0.2	%	EPA 410.4	-88	-88	0	15	
2014/15-6	000NONPJ	lab duplicate	7/10/2015	Conventional	COD	n/a	=	25100	mg/L	EPA 410.4	15	100	0	15	
2014/15-6	000NONPJ	matrix spike	7/10/2015	Conventional	COD	n/a	=	2350	mg/L	EPA 410.4	1.5	10			
2014/15-6	000NONPJ	matrix spike dup	7/10/2015	Conventional	COD	n/a	=	2340	mg/L	EPA 410.4	1.5	10			
2014/15-6	000NONPJ	matrix spike dup, rec	7/10/2015	Conventional	COD	n/a	=	104	%	EPA 410.4	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, rec	7/10/2015	Conventional	COD	n/a	=	105	%	EPA 410.4	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike, RPD	7/10/2015	Conventional	COD	n/a	=	0.6	%	EPA 410.4	-88	-88	0	15	
2014/15-6	Lab	LCS	6/29/2015	Conventional	COD	n/a	=	94.4	mg/L	EPA 410.4	0.73	5			
2014/15-6	Lab	LCS, rec	6/29/2015	Conventional	COD	n/a	=	94	%	EPA 410.4	-88	-88	90	110	
2014/15-6	Lab	method blank	6/29/2015	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2014/15-6	Lab	LCS	7/7/2015	Conventional	COD	n/a	=	95.1	mg/L	EPA 410.4	0.73	5			
2014/15-6	Lab	LCS, rec	7/7/2015	Conventional	COD	n/a	=	95	%	EPA 410.4	-88	-88	90	110	
2014/15-6	Lab	method blank	7/7/2015	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2014/15-6	Lab	LCS	7/10/2015	Conventional	COD	n/a	=	95.8	mg/L	EPA 410.4	0.73	5			
2014/15-6	Lab	LCS, rec	7/10/2015	Conventional	COD	n/a	=	96	%	EPA 410.4	-88	-88	90	110	
2014/15-6	Lab	method blank	7/10/2015	Conventional	COD	n/a	<	0.73	mg/L	EPA 410.4	0.73	5			
2014/15-6	ME-CC	matrix spike	7/10/2015	Conventional	COD	n/a	=	206	mg/L	EPA 410.4	1.5	10			
2014/15-6	ME-CC	matrix spike dup	7/10/2015	Conventional	COD	n/a	=	209	mg/L	EPA 410.4	1.5	10			
2014/15-6	ME-CC	matrix spike dup, rec	7/10/2015	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2014/15-6	ME-CC	matrix spike, rec	7/10/2015	Conventional	COD	n/a	=	96	%	EPA 410.4	-88	-88	90	110	
2014/15-6	ME-CC	matrix spike, RPD	7/10/2015	Conventional	COD	n/a	=	1	%	EPA 410.4	-88	-88	0	15	
2014/15-6	ME-VR2	matrix spike	6/29/2015	Conventional	COD	n/a	=	200	mg/L	EPA 410.4	1.5	10			
2014/15-6	ME-VR2	matrix spike dup	6/29/2015	Conventional	COD	n/a	=	199	mg/L	EPA 410.4	1.5	10			
2014/15-6	ME-VR2	matrix spike dup, rec	6/29/2015	Conventional	COD	n/a	=	98	%	EPA 410.4	-88	-88	90	110	
2014/15-6	ME-VR2	matrix spike, rec	6/29/2015	Conventional	COD	n/a	=	99	%	EPA 410.4	-88	-88	90	110	
2014/15-6	ME-VR2	matrix spike, RPD	6/29/2015	Conventional	COD	n/a	=	0.7	%	EPA 410.4	-88	-88	0	15	
2014/15-6	000NONPJ	matrix spike	7/9/2015	Conventional	Cyanide	Total	=	0.047	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	000NONPJ	matrix spike dup	7/9/2015	Conventional	Cyanide	Total	=	0.0462	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	000NONPJ	matrix spike dup, rec	7/9/2015	Conventional	Cyanide	Total	=	86	%	ASTM D7511	-88	-88	64	136	
2014/15-6	000NONPJ	matrix spike, rec	7/9/2015	Conventional	Cyanide	Total	=	87	%	ASTM D7511	-88	-88	64	136	
2014/15-6	000NONPJ	matrix spike, RPD	7/9/2015	Conventional	Cyanide	Total	=	2	%	ASTM D7511	-88	-88	0	47	
2014/15-6	Lab	LCS	7/1/2015	Conventional	Cyanide	Total	=	0.0472	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	Lab	LCS, rec	7/1/2015	Conventional	Cyanide	Total	=	94	%	ASTM D7511	-88	-88	84	116	
2014/15-6	Lab	method blank	7/1/2015	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	Lab	LCS	7/2/2015	Conventional	Cyanide	Total	=	0.0452	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	Lab	LCS, rec	7/2/2015	Conventional	Cyanide	Total	=	90	%	ASTM D7511	-88	-88	84	116	
2014/15-6	Lab	method blank	7/2/2015	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	Lab	LCS	7/9/2015	Conventional	Cyanide	Total	=	0.0488	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	Lab	LCS, rec	7/9/2015	Conventional	Cyanide	Total	=	98	%	ASTM D7511	-88	-88	84	116	
2014/15-6	Lab	method blank	7/9/2015	Conventional	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	ME-SCR	matrix spike	7/2/2015	Conventional	Cyanide	Total	=	0.046	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	ME-SCR	matrix spike dup	7/2/2015	Conventional	Cyanide	Total	=	0.0466	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	ME-SCR	matrix spike dup, rec	7/2/2015	Conventional	Cyanide	Total	=	93	%	ASTM D7511	-88	-88	64	136	
2014/15-6	ME-SCR	matrix spike, rec	7/2/2015	Conventional	Cyanide	Total	=	92	%	ASTM D7511	-88	-88	64	136	
2014/15-6	ME-SCR	matrix spike, RPD	7/2/2015	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Conventional	Cyanide	Total	=	0.0487	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Conventional	Cyanide	Total	=	0.0493	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Conventional	Cyanide	Total	=	99	%	ASTM D7511	-88	-88	64	136	
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Conventional	Cyanide	Total	=	97	%	ASTM D7511	-88	-88	64	136	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	
2014/15-6	MO-SIM	matrix spike	7/9/2015	Conventional	Cyanide	Total	=	0.0501	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	MO-SIM	matrix spike dup	7/9/2015	Conventional	Cyanide	Total	=	0.0506	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	MO-SIM	matrix spike dup, rec	7/9/2015	Conventional	Cyanide	Total	=	101	%	ASTM D7511	-88	-88	64	136	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	MO-SIM	matrix spike, rec	7/9/2015	Conventional	Cyanide	Total	=	100	%	ASTM D7511	-88	-88	64	136	
2014/15-6	MO-SIM	matrix spike, RPD	7/9/2015	Conventional	Cyanide	Total	=	1	%	ASTM D7511	-88	-88	0	47	
2014/15-6		field duplicate	7/9/2015	Conventional	Cyanide	Total	=	0.0043	mg/L	ASTM D7511	0.0005	0.002			
2014/15-6	000NONPJ	matrix spike	7/2/2015	Conventional	MBAS	n/a	=	0.252	mg/L	SM 5540 C	0.019	0.05			
2014/15-6	000NONPJ	matrix spike dup	7/2/2015	Conventional	MBAS	n/a	=	0.269	mg/L	SM 5540 C	0.019	0.05			
2014/15-6	000NONPJ	matrix spike dup, rec	7/2/2015	Conventional	MBAS	n/a	=	88	%	SM 5540 C	-88	-88	74	123	
2014/15-6	000NONPJ	matrix spike, rec	7/2/2015	Conventional	MBAS	n/a	=	79	%	SM 5540 C	-88	-88	74	123	
2014/15-6	000NONPJ	matrix spike, RPD	7/2/2015	Conventional	MBAS	n/a	=	6	%	SM 5540 C	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Conventional	MBAS	n/a	=	0.237	mg/L	SM 5540 C	0.019	0.05			
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Conventional	MBAS	n/a	=	0.227	mg/L	SM 5540 C	0.019	0.05			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Conventional	MBAS	n/a	=	97	%	SM 5540 C	-88	-88	74	123	
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Conventional	MBAS	n/a	=	102	%	SM 5540 C	-88	-88	74	123	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Conventional	MBAS	n/a	=	4	%	SM 5540 C	-88	-88	0	20	
2014/15-6	Lab	LCS	6/24/2015	Conventional	MBAS	n/a	=	0.191	mg/L	SM 5540 C	0.019	0.05			
2014/15-6	Lab	LCS, rec	6/24/2015	Conventional	MBAS	n/a	=	95	%	SM 5540 C	-88	-88	82	115	
2014/15-6	Lab	method blank	6/24/2015	Conventional	MBAS	n/a	DNQ	0.0212	mg/L	SM 5540 C	0.019	0.05			
2014/15-6	Lab	LCS	7/2/2015	Conventional	MBAS	n/a	=	0.21	mg/L	SM 5540 C	0.019	0.05			
2014/15-6	Lab	LCS, rec	7/2/2015	Conventional	MBAS	n/a	=	105	%	SM 5540 C	-88	-88	82	115	
2014/15-6	Lab	method blank	7/2/2015	Conventional	MBAS	n/a	DNQ	0.0212	mg/L	SM 5540 C	0.019	0.05			
2014/15-6	Lab	LCS	7/8/2015	Conventional	MBAS	n/a	=	0.209	mg/L	SM 5540 C	0.019	0.05			
2014/15-6	Lab	LCS, rec	7/8/2015	Conventional	MBAS	n/a	=	105	%	SM 5540 C	-88	-88	82	115	
2014/15-6	Lab	method blank	7/8/2015	Conventional	MBAS	n/a	DNQ	0.0206	mg/L	SM 5540 C	0.019	0.05			
2014/15-6	ME-VR2	matrix spike	6/24/2015	Conventional	MBAS	n/a	=	0.182	mg/L	SM 5540 C	0.019	0.05			
2014/15-6	ME-VR2	matrix spike dup	6/24/2015	Conventional	MBAS	n/a	=	0.19	mg/L	SM 5540 C	0.019	0.05			
2014/15-6	ME-VR2	matrix spike dup, rec	6/24/2015	Conventional	MBAS	n/a	=	82	%	SM 5540 C	-88	-88	74	123	
2014/15-6	ME-VR2	matrix spike, rec	6/24/2015	Conventional	MBAS	n/a	=	78	%	SM 5540 C	-88	-88	74	123	
2014/15-6	ME-VR2	matrix spike, RPD	6/24/2015	Conventional	MBAS	n/a	=	5	%	SM 5540 C	-88	-88	0	20	
2014/15-6	Lab	LCS	7/6/2015	Conventional	Phenolics	n/a	=	0.102	mg/L	EPA 420.4	0.0042	0.01			
2014/15-6	Lab	LCS, rec	7/6/2015	Conventional	Phenolics	n/a	=	102	%	EPA 420.4	-88	-88	90	110	
2014/15-6	Lab	method blank	7/6/2015	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2014/15-6	Lab	LCS	7/13/2015	Conventional	Phenolics	n/a	=	0.107	mg/L	EPA 420.4	0.0042	0.01			
2014/15-6	Lab	LCS, rec	7/13/2015	Conventional	Phenolics	n/a	=	107	%	EPA 420.4	-88	-88	90	110	
2014/15-6	Lab	method blank	7/13/2015	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2014/15-6	Lab	LCS	7/13/2015	Conventional	Phenolics	n/a	=	0.1	mg/L	EPA 420.4	0.0042	0.01			
2014/15-6	Lab	LCS, rec	7/13/2015	Conventional	Phenolics	n/a	=	100	%	EPA 420.4	-88	-88	90	110	
2014/15-6	Lab	method blank	7/13/2015	Conventional	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01			
2014/15-6	ME-CC	matrix spike	7/13/2015	Conventional	Phenolics	n/a	=	0.253	mg/L	EPA 420.4	0.0042	0.01			
2014/15-6	ME-CC	matrix spike, rec	7/13/2015	Conventional	Phenolics	n/a	=	101	%	EPA 420.4	-88	-88	90	110	
2014/15-6	ME-CC	matrix spike dup	7/13/2015	Conventional	Phenolics	n/a	=	0.253	mg/L	EPA 420.4	0.0042	0.01			
2014/15-6	ME-CC	matrix spike dup, rec	7/13/2015	Conventional	Phenolics	n/a	=	101	%	EPA 420.4	-88	-88	90	110	
2014/15-6	ME-CC	matrix spike, RPD	7/13/2015	Conventional	Phenolics	n/a	=	0.01	%	EPA 420.4	-88	-88	0	20	
2014/15-6	ME-SCR	matrix spike	7/13/2015	Conventional	Phenolics	n/a	=	0.271	mg/L	EPA 420.4	0.0042	0.01			
2014/15-6	ME-SCR	matrix spike dup	7/13/2015	Conventional	Phenolics	n/a	=	0.266	mg/L	EPA 420.4	0.0042	0.01			
2014/15-6	ME-SCR	matrix spike dup, rec	7/13/2015	Conventional	Phenolics	n/a	=	98	%	EPA 420.4	-88	-88	90	110	
2014/15-6	ME-SCR	matrix spike, rec	7/13/2015	Conventional	Phenolics	n/a	=	100	%	EPA 420.4	-88	-88	90	110	
2014/15-6	ME-SCR	matrix spike, RPD	7/13/2015	Conventional	Phenolics	n/a	=	2	%	EPA 420.4	-88	-88	0	20	
2014/15-6	ME-VR2	matrix spike	7/6/2015	Conventional	Phenolics	n/a	=	0.274	mg/L	EPA 420.4	0.0042	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	ME-VR2	matrix spike, rec	7/6/2015	Conventional	Phenolics	n/a	=	108	%	EPA 420.4	-88	-88	90	110	
2014/15-6	ME-VR2	matrix spike dup	7/6/2015	Conventional	Phenolics	n/a	=	0.271	mg/L	EPA 420.4	0.0042	0.01			
2014/15-6	ME-VR2	matrix spike dup, rec	7/6/2015	Conventional	Phenolics	n/a	=	107	%	EPA 420.4	-88	-88	90	110	
2014/15-6	ME-VR2	matrix spike, RPD	7/6/2015	Conventional	Phenolics	n/a	=	1	%	EPA 420.4	-88	-88	0	20	
2014/15-6	000NONPJ	lab duplicate	6/24/2015	Conventional	Specific Conductance	n/a	=	377	µmhos/cm	SM 2510 B	0.23	2	0	4.28	
2014/15-6	000NONPJ	lab duplicate	7/7/2015	Conventional	Specific Conductance	n/a	=	400	µmhos/cm	SM 2510 B	0.23	2	0	4.28	
2014/15-6	000NONPJ	lab duplicate	7/9/2015	Conventional	Specific Conductance	n/a	=	8120	µmhos/cm	SM 2510 B	0.23	2	0	4.28	
2014/15-6	000NONPJ	lab duplicate	7/11/2015	Conventional	Specific Conductance	n/a	=	507	µmhos/cm	SM 2510 B	0.23	2	0	4.28	
2014/15-6	Lab	LCS	6/24/2015	Conventional	Specific Conductance	n/a	=	201	µmhos/cm	SM 2510 B	0.23	2			
2014/15-6	Lab	LCS, rec	6/24/2015	Conventional	Specific Conductance	n/a	=	100	%	SM 2510 B	-88	-88	95	105	
2014/15-6	Lab	method blank	6/24/2015	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2014/15-6	Lab	LCS	7/7/2015	Conventional	Specific Conductance	n/a	=	204	µmhos/cm	SM 2510 B	0.23	2			
2014/15-6	Lab	LCS, rec	7/7/2015	Conventional	Specific Conductance	n/a	=	102	%	SM 2510 B	-88	-88	95	105	
2014/15-6	Lab	method blank	7/7/2015	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2014/15-6	Lab	LCS	7/9/2015	Conventional	Specific Conductance	n/a	=	5070	µmhos/cm	SM 2510 B	0.23	2			
2014/15-6	Lab	LCS, rec	7/9/2015	Conventional	Specific Conductance	n/a	=	101	%	SM 2510 B	-88	-88	95	105	
2014/15-6	Lab	method blank	7/9/2015	Conventional	Specific Conductance	n/a	DNQ	1.05	µmhos/cm	SM 2510 B	0.23	2			
2014/15-6	Lab	LCS	7/11/2015	Conventional	Specific Conductance	n/a	=	205	µmhos/cm	SM 2510 B	0.23	2			
2014/15-6	Lab	LCS, rec	7/11/2015	Conventional	Specific Conductance	n/a	=	102	%	SM 2510 B	-88	-88	95	105	
2014/15-6	Lab	method blank	7/11/2015	Conventional	Specific Conductance	n/a	<	0.23	µmhos/cm	SM 2510 B	0.23	2			
2014/15-6	000NONPJ	matrix spike	7/7/2015	Conventional	Total Chlorine Residual	n/a	=	0.253	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-6	000NONPJ	matrix spike dup	7/7/2015	Conventional	Total Chlorine Residual	n/a	=	0.269	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-6	000NONPJ	matrix spike dup, rec	7/7/2015	Conventional	Total Chlorine Residual	n/a	=	106	%	SM 4500-Cl G	-88	-88	78	114	
2014/15-6	000NONPJ	matrix spike, rec	7/7/2015	Conventional	Total Chlorine Residual	n/a	=	97	%	SM 4500-Cl G	-88	-88	78	114	
2014/15-6	000NONPJ	matrix spike, RPD	7/7/2015	Conventional	Total Chlorine Residual	n/a	=	6	%	SM 4500-Cl G	-88	-88	0	15	
2014/15-6	Lab	LCS	7/7/2015	Conventional	Total Chlorine Residual	n/a	=	0.192	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-6	Lab	LCS, rec	7/7/2015	Conventional	Total Chlorine Residual	n/a	=	96	%	SM 4500-Cl G	-88	-88	85	110	
2014/15-6	Lab	method blank	7/7/2015	Conventional	Total Chlorine Residual	n/a	<	0.0015	mg/L	SM 4500-Cl G	0.0015	0.05			
2014/15-6	000NONPJ	lab duplicate	6/28/2015	Conventional	Total Dissolved Solids	n/a	=	4890	mg/L	SM 2540 C	4	10	0	10	
2014/15-6	000NONPJ	lab duplicate	7/6/2015	Conventional	Total Dissolved Solids	n/a	=	6250	mg/L	SM 2540 C	4	10	0	10	
2014/15-6	000NONPJ	lab duplicate	7/8/2015	Conventional	Total Dissolved Solids	n/a	=	998	mg/L	SM 2540 C	4	10	0	10	
2014/15-6	Lab	LCS	6/28/2015	Conventional	Total Dissolved Solids	n/a	=	803	mg/L	SM 2540 C	4	10			
2014/15-6	Lab	LCS, rec	6/28/2015	Conventional	Total Dissolved Solids	n/a	=	97	%	SM 2540 C	-88	-88	96	102	
2014/15-6	Lab	method blank	6/28/2015	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2014/15-6	Lab	LCS	7/6/2015	Conventional	Total Dissolved Solids	n/a	=	813	mg/L	SM 2540 C	4	10			
2014/15-6	Lab	LCS, rec	7/6/2015	Conventional	Total Dissolved Solids	n/a	=	99	%	SM 2540 C	-88	-88	96	102	
2014/15-6	Lab	method blank	7/6/2015	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2014/15-6	Lab	LCS	7/8/2015	Conventional	Total Dissolved Solids	n/a	=	810	mg/L	SM 2540 C	4	10			
2014/15-6	Lab	LCS, rec	7/8/2015	Conventional	Total Dissolved Solids	n/a	=	98	%	SM 2540 C	-88	-88	96	102	
2014/15-6	Lab	method blank	7/8/2015	Conventional	Total Dissolved Solids	n/a	<	4	mg/L	SM 2540 C	4	10			
2014/15-6	MO-FIL	lab duplicate	7/6/2015	Conventional	Total Dissolved Solids	n/a	=	1370	mg/L	SM 2540 C	4	10	0	10	
2014/15-6	000NONPJ	matrix spike	7/6/2015	Conventional	Total Organic Carbon	n/a	=	5.93	mg/L	SM 5310 C	0.009	0.3			
2014/15-6	000NONPJ	matrix spike dup	7/6/2015	Conventional	Total Organic Carbon	n/a	=	5.88	mg/L	SM 5310 C	0.009	0.3			
2014/15-6	000NONPJ	matrix spike dup, rec	7/6/2015	Conventional	Total Organic Carbon	n/a	=	94	%	SM 5310 C	-88	-88	80	116	
2014/15-6	000NONPJ	matrix spike, rec	7/6/2015	Conventional	Total Organic Carbon	n/a	=	95	%	SM 5310 C	-88	-88	80	116	
2014/15-6	000NONPJ	matrix spike, RPD	7/6/2015	Conventional	Total Organic Carbon	n/a	=	0.8	%	SM 5310 C	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Conventional	Total Organic Carbon	n/a	=	7.07	mg/L	SM 5310 C	0.009	0.3			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Conventional	Total Organic Carbon	n/a	=	7.16	mg/L	SM 5310 C	0.009	0.3			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Conventional	Total Organic Carbon	n/a	=	101	%	SM 5310 C	-88	-88	80	116	
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 C	-88	-88	80	116	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Conventional	Total Organic Carbon	n/a	=	1	%	SM 5310 C	-88	-88	0	20	
2014/15-6	Lab	LCS	6/25/2015	Conventional	Total Organic Carbon	n/a	=	4.92	mg/L	SM 5310 C	0.009	0.3			
2014/15-6	Lab	LCS, rec	6/25/2015	Conventional	Total Organic Carbon	n/a	=	98	%	SM 5310 C	-88	-88	85	115	
2014/15-6	Lab	method blank	6/25/2015	Conventional	Total Organic Carbon	n/a	DNQ	0.0726	mg/L	SM 5310 C	0.009	0.3			
2014/15-6	Lab	LCS	7/6/2015	Conventional	Total Organic Carbon	n/a	=	4.85	mg/L	SM 5310 C	0.009	0.3			
2014/15-6	Lab	LCS, rec	7/6/2015	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 C	-88	-88	85	115	
2014/15-6	Lab	method blank	7/6/2015	Conventional	Total Organic Carbon	n/a	DNQ	0.041	mg/L	SM 5310 C	0.009	0.3			
2014/15-6	Lab	LCS	7/8/2015	Conventional	Total Organic Carbon	n/a	=	4.93	mg/L	SM 5310 C	0.009	0.3			
2014/15-6	Lab	LCS, rec	7/8/2015	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 C	-88	-88	85	115	
2014/15-6	Lab	method blank	7/8/2015	Conventional	Total Organic Carbon	n/a	DNQ	0.0402	mg/L	SM 5310 C	0.009	0.3			
2014/15-6	000NONPJ	lab duplicate	6/25/2015	Conventional	Total Suspended Solids	n/a	=	12	mg/L	SM 2540 D	-88	5	0	20	
2014/15-6	000NONPJ	lab duplicate	6/25/2015	Conventional	Total Suspended Solids	n/a	=	9	mg/L	SM 2540 D	-88	5	0	20	
2014/15-6	000NONPJ	lab duplicate	7/2/2015	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5	0	20	
2014/15-6	000NONPJ	lab duplicate	7/13/2015	Conventional	Total Suspended Solids	n/a	=	26	mg/L	SM 2540 D	-88	5	0	20	
2014/15-6	Lab	method blank	6/25/2015	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2014/15-6	Lab	method blank	7/2/2015	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2014/15-6	Lab	method blank	7/13/2015	Conventional	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5			
2014/15-6	ME-CC	lab duplicate	7/13/2015	Conventional	Total Suspended Solids	n/a	DNQ	1	mg/L	SM 2540 D	-88	5	0	20	
2014/15-6	MO-FIL	lab duplicate	7/2/2015	Conventional	Total Suspended Solids	n/a	DNQ	3	mg/L	SM 2540 D	-88	5	0	20	
2014/15-6	000NONPJ	lab duplicate	6/24/2015	Conventional	Turbidity	n/a	DNQ	0.04	NTU	EPA 180.1	0.024	0.1	0	10	
2014/15-6	000NONPJ	lab duplicate	7/2/2015	Conventional	Turbidity	n/a	DNQ	0.07	NTU	EPA 180.1	0.024	0.1	0	10	
2014/15-6	000NONPJ	lab duplicate	7/8/2015	Conventional	Turbidity	n/a	DNQ	0.04	NTU	EPA 180.1	0.024	0.1	0	10	
2014/15-6	Lab	LCS	6/24/2015	Conventional	Turbidity	n/a	=	10.2	NTU	EPA 180.1	0.024	0.1			
2014/15-6	Lab	LCS, rec	6/24/2015	Conventional	Turbidity	n/a	=	102	%	EPA 180.1	-88	-88	90	110	
2014/15-6	Lab	method blank	6/24/2015	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2014/15-6	Lab	LCS	7/2/2015	Conventional	Turbidity	n/a	=	9.96	NTU	EPA 180.1	0.024	0.1			
2014/15-6	Lab	LCS, rec	7/2/2015	Conventional	Turbidity	n/a	=	100	%	EPA 180.1	-88	-88	90	110	
2014/15-6	Lab	method blank	7/2/2015	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2014/15-6	Lab	LCS	7/8/2015	Conventional	Turbidity	n/a	=	10.8	NTU	EPA 180.1	0.024	0.1			
2014/15-6	Lab	LCS, rec	7/8/2015	Conventional	Turbidity	n/a	=	108	%	EPA 180.1	-88	-88	90	110	
2014/15-6	Lab	method blank	7/8/2015	Conventional	Turbidity	n/a	<	0.024	NTU	EPA 180.1	0.024	0.1			
2014/15-6	000NONPJ	lab duplicate	6/25/2015	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	0	15	
2014/15-6	Lab	method blank	6/25/2015	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2014/15-6	Lab	method blank	7/2/2015	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2014/15-6	Lab	method blank	7/13/2015	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5			
2014/15-6	ME-CC	lab duplicate	7/13/2015	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	0	15	
2014/15-6	MO-FIL	lab duplicate	7/2/2015	Conventional	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	0	15	
2014/15-6	Lab	method blank	7/1/2015	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1			
2014/15-6	Lab	LCS	7/1/2015	Hydrocarbon	Diesel Range Organics	n/a	=	0.347	mg/L	EPA 8015B	0.024	0.1			
2014/15-6	Lab	LCS, rec	7/1/2015	Hydrocarbon	Diesel Range Organics	n/a	=	69	%	EPA 8015B	-88	-88	56	136	
2014/15-6	Lab	LCS dup	7/1/2015	Hydrocarbon	Diesel Range Organics	n/a	=	0.302	mg/L	EPA 8015B	0.024	0.1			
2014/15-6	Lab	LCS dup, rec	7/1/2015	Hydrocarbon	Diesel Range Organics	n/a	=	60	%	EPA 8015B	-88	-88	56	136	
2014/15-6	Lab	LCS, RPD	7/1/2015	Hydrocarbon	Diesel Range Organics	n/a	=	14	%	EPA 8015B	-88	-88	0	25	
2014/15-6	Lab	method blank	7/9/2015	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup	7/9/2015	Hydrocarbon	Diesel Range Organics	n/a	=	0.407	mg/L	EPA 8015B	0.024	0.1			
2014/15-6	Lab	LCS dup, rec	7/9/2015	Hydrocarbon	Diesel Range Organics	n/a	=	81	%	EPA 8015B	-88	-88	56	136	
2014/15-6	Lab	LCS, RPD	7/9/2015	Hydrocarbon	Diesel Range Organics	n/a	=	7	%	EPA 8015B	-88	-88	0	25	
2014/15-6	Lab	LCS	7/9/2015	Hydrocarbon	Diesel Range Organics	n/a	=	0.435	mg/L	EPA 8015B	0.024	0.1			
2014/15-6	Lab	LCS, rec	7/9/2015	Hydrocarbon	Diesel Range Organics	n/a	=	87	%	EPA 8015B	-88	-88	56	136	
2014/15-6	Lab	method blank	7/16/2015	Hydrocarbon	Diesel Range Organics	n/a	<	0.024	mg/L	EPA 8015B	0.024	0.1			
2014/15-6	Lab	LCS	7/16/2015	Hydrocarbon	Diesel Range Organics	n/a	=	0.415	mg/L	EPA 8015B	0.024	0.1			
2014/15-6	Lab	LCS, rec	7/16/2015	Hydrocarbon	Diesel Range Organics	n/a	=	83	%	EPA 8015B	-88	-88	56	136	
2014/15-6	Lab	LCS dup	7/16/2015	Hydrocarbon	Diesel Range Organics	n/a	=	0.462	mg/L	EPA 8015B	0.024	0.1			
2014/15-6	Lab	LCS dup, rec	7/16/2015	Hydrocarbon	Diesel Range Organics	n/a	=	92	%	EPA 8015B	-88	-88	56	136	
2014/15-6	Lab	LCS, RPD	7/16/2015	Hydrocarbon	Diesel Range Organics	n/a	=	11	%	EPA 8015B	-88	-88	0	25	
2014/15-6	Lab	method blank	6/29/2015	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-6	Lab	LCS	6/29/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.14	mg/L	EPA 8015B	0.044	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	114	%	EPA 8015B	-88	-88	75	123	
2014/15-6	Lab	LCS dup	6/29/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.12	mg/L	EPA 8015B	0.044	0.1			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	112	%	EPA 8015B	-88	-88	75	123	
2014/15-6	Lab	LCS, RPD	6/29/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	2	%	EPA 8015B	-88	-88	0	25	
2014/15-6	Lab	method blank	7/6/2015	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-6	Lab	LCS	7/6/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.14	mg/L	EPA 8015B	0.044	0.1			
2014/15-6	Lab	LCS, rec	7/6/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	114	%	EPA 8015B	-88	-88	75	123	
2014/15-6	Lab	LCS dup	7/6/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.11	mg/L	EPA 8015B	0.044	0.1			
2014/15-6	Lab	LCS dup, rec	7/6/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	111	%	EPA 8015B	-88	-88	75	123	
2014/15-6	Lab	LCS, RPD	7/6/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	3	%	EPA 8015B	-88	-88	0	25	
2014/15-6	Lab	method blank	7/13/2015	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-6	Lab	LCS	7/13/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.11	mg/L	EPA 8015B	0.044	0.1			
2014/15-6	Lab	LCS, rec	7/13/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	111	%	EPA 8015B	-88	-88	75	123	
2014/15-6	Lab	LCS dup	7/13/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	1.1	mg/L	EPA 8015B	0.044	0.1			
2014/15-6	Lab	LCS dup, rec	7/13/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	110	%	EPA 8015B	-88	-88	75	123	
2014/15-6	Lab	LCS, RPD	7/13/2015	Hydrocarbon	Gasoline Range Organics	n/a	=	0.9	%	EPA 8015B	-88	-88	0	25	
2014/15-6	MO-THO	field duplicate	7/14/2015	Hydrocarbon	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1			
2014/15-6	Lab	srgt method blank	7/1/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.29	mg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/1/2015	Hydrocarbon	n-Tetracosane	n/a	=	116	%	EPA 8015B	-88	-88	64	155	
2014/15-6	Lab	srgt LCS	7/1/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.268	mg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/1/2015	Hydrocarbon	n-Tetracosane	n/a	=	107	%	EPA 8015B	-88	-88	64	155	
2014/15-6	Lab	srgt LCS dup	7/1/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.28	mg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/1/2015	Hydrocarbon	n-Tetracosane	n/a	=	112	%	EPA 8015B	-88	-88	64	155	
2014/15-6	Lab	srgt method blank	7/9/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.276	mg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/9/2015	Hydrocarbon	n-Tetracosane	n/a	=	110	%	EPA 8015B	-88	-88	64	155	
2014/15-6	Lab	srgt LCS dup	7/9/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.266	mg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/9/2015	Hydrocarbon	n-Tetracosane	n/a	=	106	%	EPA 8015B	-88	-88	64	155	
2014/15-6	Lab	srgt LCS	7/9/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.282	mg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/9/2015	Hydrocarbon	n-Tetracosane	n/a	=	113	%	EPA 8015B	-88	-88	64	155	
2014/15-6	Lab	srgt method blank	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.302	mg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	121	%	EPA 8015B	-88	-88	64	155	
2014/15-6	Lab	srgt LCS	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.289	mg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	115	%	EPA 8015B	-88	-88	64	155	
2014/15-6	Lab	srgt LCS dup	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.292	mg/L	EPA 8015B	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	srgt LCS dup, rec	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	117	%	EPA 8015B	-88	-88	64	155	
2014/15-6	ME-CC	srgt environ	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.292	mg/L	EPA 8015B	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	117	%	EPA 8015B	-88	-88	64	155	
2014/15-6	ME-SCR	srgt environ	7/9/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.285	mg/L	EPA 8015B	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/9/2015	Hydrocarbon	n-Tetracosane	n/a	=	114	%	EPA 8015B	-88	-88	64	155	
2014/15-6	ME-VR2	srgt environ	7/1/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.276	mg/L	EPA 8015B	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/1/2015	Hydrocarbon	n-Tetracosane	n/a	=	111	%	EPA 8015B	-88	-88	64	155	
2014/15-6	MO-CAM	srgt environ	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.258	mg/L	EPA 8015B	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	103	%	EPA 8015B	-88	-88	64	155	
2014/15-6	MO-FIL	srgt environ	7/9/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.262	mg/L	EPA 8015B	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/9/2015	Hydrocarbon	n-Tetracosane	n/a	=	105	%	EPA 8015B	-88	-88	64	155	
2014/15-6	MO-HUE	srgt environ	7/9/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.278	mg/L	EPA 8015B	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/9/2015	Hydrocarbon	n-Tetracosane	n/a	=	111	%	EPA 8015B	-88	-88	64	155	
2014/15-6	MO-SIM	srgt environ	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.293	mg/L	EPA 8015B	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	117	%	EPA 8015B	-88	-88	64	155	
2014/15-6	MO-THO	srgt environ	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	0.296	mg/L	EPA 8015B	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/16/2015	Hydrocarbon	n-Tetracosane	n/a	=	118	%	EPA 8015B	-88	-88	64	155	
2014/15-6	Lab	LCS	6/26/2015	Hydrocarbon	Oil and Grease	n/a	=	17.3	mg/L	EPA 1664A	1.3	5			
2014/15-6	Lab	LCS	6/26/2015	Hydrocarbon	Oil and Grease	n/a	DNQ	4.8	mg/L	EPA 1664A	1.3	5			
2014/15-6	Lab	LCS dup	6/26/2015	Hydrocarbon	Oil and Grease	n/a	=	16.8	mg/L	EPA 1664A	1.3	5			
2014/15-6	Lab	LCS dup, rec	6/26/2015	Hydrocarbon	Oil and Grease	n/a	=	84	%	EPA 1664A	-88	-88	78	114	
2014/15-6	Lab	LCS, rec	6/26/2015	Hydrocarbon	Oil and Grease	n/a	=	86	%	EPA 1664A	-88	-88	78	114	
2014/15-6	Lab	LCS, rec	6/26/2015	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2014/15-6	Lab	LCS, RPD	6/26/2015	Hydrocarbon	Oil and Grease	n/a	=	3	%	EPA 1664A	-88	-88	0	18	
2014/15-6	Lab	method blank	6/26/2015	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2014/15-6	Lab	LCS	7/6/2015	Hydrocarbon	Oil and Grease	n/a	DNQ	4.8	mg/L	EPA 1664A	1.3	5			
2014/15-6	Lab	LCS	7/6/2015	Hydrocarbon	Oil and Grease	n/a	=	17.5	mg/L	EPA 1664A	1.3	5			
2014/15-6	Lab	LCS dup	7/6/2015	Hydrocarbon	Oil and Grease	n/a	=	19.4	mg/L	EPA 1664A	1.3	5			
2014/15-6	Lab	LCS dup, rec	7/6/2015	Hydrocarbon	Oil and Grease	n/a	=	97	%	EPA 1664A	-88	-88	78	114	
2014/15-6	Lab	LCS, rec	7/6/2015	Hydrocarbon	Oil and Grease	n/a	=	88	%	EPA 1664A	-88	-88	78	114	
2014/15-6	Lab	LCS, rec	7/6/2015	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2014/15-6	Lab	LCS, RPD	7/6/2015	Hydrocarbon	Oil and Grease	n/a	=	10	%	EPA 1664A	-88	-88	0	18	
2014/15-6	Lab	method blank	7/6/2015	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2014/15-6	Lab	LCS	7/10/2015	Hydrocarbon	Oil and Grease	n/a	DNQ	4.8	mg/L	EPA 1664A	1.3	5			
2014/15-6	Lab	LCS	7/10/2015	Hydrocarbon	Oil and Grease	n/a	=	19.5	mg/L	EPA 1664A	1.3	5			
2014/15-6	Lab	LCS dup	7/10/2015	Hydrocarbon	Oil and Grease	n/a	=	18.1	mg/L	EPA 1664A	1.3	5			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Hydrocarbon	Oil and Grease	n/a	=	90	%	EPA 1664A	-88	-88	78	114	
2014/15-6	Lab	LCS, rec	7/10/2015	Hydrocarbon	Oil and Grease	n/a	=	98	%	EPA 1664A	-88	-88	78	114	
2014/15-6	Lab	LCS, rec	7/10/2015	Hydrocarbon	Oil and Grease	n/a	=	96	%	EPA 1664A	-88	-88	78	114	
2014/15-6	Lab	LCS, RPD	7/10/2015	Hydrocarbon	Oil and Grease	n/a	=	7	%	EPA 1664A	-88	-88	0	18	
2014/15-6	Lab	method blank	7/10/2015	Hydrocarbon	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5			
2014/15-6	ME-CC	matrix spike	7/10/2015	Hydrocarbon	Oil and Grease	n/a	=	22.7	mg/L	EPA 1664A	1.3	5			
2014/15-6	ME-CC	matrix spike, rec	7/10/2015	Hydrocarbon	Oil and Grease	n/a	=	94	%	EPA 1664A	-88	-88	78	114	
2014/15-6	ME-SCR	matrix spike	7/6/2015	Hydrocarbon	Oil and Grease	n/a	=	23.8	mg/L	EPA 1664A	1.3	5			
2014/15-6	ME-SCR	matrix spike, rec	7/6/2015	Hydrocarbon	Oil and Grease	n/a	=	78	%	EPA 1664A	-88	-88	78	114	
2014/15-6	ME-VR2	matrix spike	6/26/2015	Hydrocarbon	Oil and Grease	n/a	=	20.8	mg/L	EPA 1664A	1.3	5			
2014/15-6	ME-VR2	matrix spike, rec	6/26/2015	Hydrocarbon	Oil and Grease	n/a	=	87	%	EPA 1664A	-88	-88	78	114	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	MO-THO	field duplicate	7/10/2015	Hydrocarbon	Oil and Grease	n/a	DNQ	1.7	mg/L	EPA 1664A	1.3	5			
2014/15-6	Lab	method blank	7/1/2015	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2014/15-6	Lab	method blank	7/9/2015	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2014/15-6	Lab	method blank	7/16/2015	Hydrocarbon	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5			
2014/15-6	Lab	method blank	7/1/2015	Metal	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5			
2014/15-6	Lab	LCS	7/1/2015	Metal	Aluminum	Dissolved	=	51.9	µg/L	EPA 200.8	1.3	5			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Aluminum	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Aluminum	Dissolved	DNQ	1.39	µg/L	EPA 200.8	1.3	5			
2014/15-6	Lab	LCS	7/7/2015	Metal	Aluminum	Dissolved	=	53.3	µg/L	EPA 200.8	1.3	5			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Aluminum	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5			
2014/15-6	Lab	LCS	7/12/2015	Metal	Aluminum	Dissolved	=	46.5	µg/L	EPA 200.8	1.3	5			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Aluminum	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Aluminum	Dissolved	=	60.5	µg/L	EPA 200.8	1.3	5			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Aluminum	Dissolved	=	117	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Aluminum	Dissolved	=	59.2	µg/L	EPA 200.8	1.3	5			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Aluminum	Dissolved	=	114	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Aluminum	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Aluminum	Dissolved	=	55.3	µg/L	EPA 200.8	1.3	5			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Aluminum	Dissolved	=	111	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Aluminum	Dissolved	=	53.1	µg/L	EPA 200.8	1.3	5			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Aluminum	Dissolved	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Aluminum	Dissolved	=	4	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2014/15-6	Lab	LCS	7/1/2015	Metal	Aluminum	Total	=	51.9	µg/L	EPA 200.8	1.3	5			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Aluminum	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2014/15-6	Lab	LCS	7/7/2015	Metal	Aluminum	Total	=	53.3	µg/L	EPA 200.8	1.3	5			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Aluminum	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Aluminum	Total	<	1.3	µg/L	EPA 200.8	1.3	5			
2014/15-6	Lab	LCS	7/12/2015	Metal	Aluminum	Total	=	46.5	µg/L	EPA 200.8	1.3	5			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Aluminum	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Aluminum	Total	=	74.5	µg/L	EPA 200.8	1.3	5			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Aluminum	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Aluminum	Total	=	74.6	µg/L	EPA 200.8	1.3	5			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Aluminum	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Aluminum	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Aluminum	Total	=	60.5	µg/L	EPA 200.8	1.3	5			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Aluminum	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Aluminum	Total	=	59.2	µg/L	EPA 200.8	1.3	5			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Aluminum	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Aluminum	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Aluminum	Total	=	55.3	µg/L	EPA 200.8	1.3	5			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Aluminum	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Aluminum	Total	=	53.1	µg/L	EPA 200.8	1.3	5			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Aluminum	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Aluminum	Total	=	4	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/1/2015	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	Lab	LCS	7/1/2015	Metal	Antimony	Dissolved	=	47.6	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Antimony	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	Lab	LCS	7/7/2015	Metal	Antimony	Dissolved	=	47.8	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Antimony	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	Lab	LCS	7/12/2015	Metal	Antimony	Dissolved	=	45.9	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Antimony	Dissolved	=	92	%	EPA 200.8	-88	-88	85	115	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Antimony	Dissolved	=	49	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Antimony	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Antimony	Dissolved	=	48.1	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Antimony	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Antimony	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Antimony	Dissolved	=	46.5	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Antimony	Dissolved	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Antimony	Dissolved	=	44.9	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Antimony	Dissolved	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Antimony	Dissolved	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	Lab	LCS	7/1/2015	Metal	Antimony	Total	=	47.6	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Antimony	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	Lab	LCS	7/7/2015	Metal	Antimony	Total	=	47.8	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Antimony	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	Lab	LCS	7/12/2015	Metal	Antimony	Total	=	45.9	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Antimony	Total	=	92	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Antimony	Total	=	47.6	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Antimony	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Antimony	Total	=	47.4	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Antimony	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Antimony	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Antimony	Total	=	49	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Antimony	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Antimony	Total	=	48.1	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Antimony	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Antimony	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Antimony	Total	=	46.5	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Antimony	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Antimony	Total	=	44.9	µg/L	EPA 200.8	0.045	0.5			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Antimony	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Antimony	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	Lab	LCS	7/1/2015	Metal	Arsenic	Dissolved	=	51.8	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Arsenic	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	7/7/2015	Metal	Arsenic	Dissolved	=	51	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Arsenic	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Arsenic	Dissolved	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	Lab	LCS	7/12/2015	Metal	Arsenic	Dissolved	=	48.4	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Arsenic	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Arsenic	Dissolved	=	54.1	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Arsenic	Dissolved	=	107	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Arsenic	Dissolved	=	52.9	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Arsenic	Dissolved	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Arsenic	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Arsenic	Dissolved	=	53	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Arsenic	Dissolved	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Arsenic	Dissolved	=	51.4	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Arsenic	Dissolved	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Arsenic	Dissolved	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	Lab	LCS	7/1/2015	Metal	Arsenic	Total	=	51.8	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	Lab	LCS	7/7/2015	Metal	Arsenic	Total	=	51	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Arsenic	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Arsenic	Total	<	0.074	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	Lab	LCS	7/12/2015	Metal	Arsenic	Total	=	48.4	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Arsenic	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Arsenic	Total	=	54.3	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Arsenic	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Arsenic	Total	=	53.7	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Arsenic	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Arsenic	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Arsenic	Total	=	54.1	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Arsenic	Total	=	107	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Arsenic	Total	=	52.9	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Arsenic	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Arsenic	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Arsenic	Total	=	53	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Arsenic	Total	=	51.4	µg/L	EPA 200.8	0.074	0.4			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Arsenic	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2014/15-6	Lab	LCS	7/1/2015	Metal	Barium	Total	=	50.4	µg/L	EPA 200.8	0.071	0.5			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2014/15-6	Lab	LCS	7/7/2015	Metal	Barium	Total	=	50.5	µg/L	EPA 200.8	0.071	0.5			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Barium	Total	<	0.071	µg/L	EPA 200.8	0.071	0.5			
2014/15-6	Lab	LCS	7/12/2015	Metal	Barium	Total	=	46.4	µg/L	EPA 200.8	0.071	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Barium	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Barium	Total	=	104	µg/L	EPA 200.8	0.071	0.5			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Barium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Barium	Total	=	102	µg/L	EPA 200.8	0.071	0.5			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Barium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Barium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Barium	Total	=	79.5	µg/L	EPA 200.8	0.071	0.5			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Barium	Total	=	100	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Barium	Total	=	78.5	µg/L	EPA 200.8	0.071	0.5			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Barium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Barium	Total	=	63.2	µg/L	EPA 200.8	0.071	0.5			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Barium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Barium	Total	=	62.3	µg/L	EPA 200.8	0.071	0.5			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Barium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Barium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	Lab	LCS	7/1/2015	Metal	Beryllium	Dissolved	=	51.7	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Beryllium	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	Lab	LCS	7/7/2015	Metal	Beryllium	Dissolved	=	47	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Beryllium	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	Lab	LCS	7/12/2015	Metal	Beryllium	Dissolved	=	44.7	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Beryllium	Dissolved	=	89	%	EPA 200.8	-88	-88	85	115	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Beryllium	Dissolved	=	49	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Beryllium	Dissolved	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Beryllium	Dissolved	=	49.6	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Beryllium	Dissolved	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Beryllium	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Beryllium	Dissolved	=	47.7	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Beryllium	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Beryllium	Dissolved	=	46.8	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Beryllium	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Beryllium	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	Lab	LCS	7/1/2015	Metal	Beryllium	Total	=	51.7	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Beryllium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	Lab	LCS	7/7/2015	Metal	Beryllium	Total	=	47	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Beryllium	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	Lab	LCS	7/12/2015	Metal	Beryllium	Total	=	44.7	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Beryllium	Total	=	89	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Beryllium	Total	=	54.6	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Beryllium	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Beryllium	Total	=	54.3	µg/L	EPA 200.8	0.033	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Beryllium	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Beryllium	Total	=	0.7	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Beryllium	Total	=	49	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Beryllium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Beryllium	Total	=	49.6	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Beryllium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Beryllium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Beryllium	Total	=	47.7	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Beryllium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Beryllium	Total	=	46.8	µg/L	EPA 200.8	0.033	0.1			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Beryllium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Beryllium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	Lab	LCS	7/1/2015	Metal	Cadmium	Dissolved	=	51.2	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Cadmium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	Lab	LCS	7/7/2015	Metal	Cadmium	Dissolved	=	50.3	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Cadmium	Dissolved	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	Lab	LCS	7/12/2015	Metal	Cadmium	Dissolved	=	46.5	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Cadmium	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Cadmium	Dissolved	=	47.8	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Cadmium	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Cadmium	Dissolved	=	47.3	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Cadmium	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Cadmium	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Cadmium	Dissolved	=	45.3	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Cadmium	Dissolved	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Cadmium	Dissolved	=	44.4	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Cadmium	Dissolved	=	89	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Cadmium	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	Lab	LCS	7/1/2015	Metal	Cadmium	Total	=	51.2	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Cadmium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	Lab	LCS	7/7/2015	Metal	Cadmium	Total	=	50.3	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Cadmium	Total	=	101	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	Lab	LCS	7/12/2015	Metal	Cadmium	Total	=	46.5	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Cadmium	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Cadmium	Total	=	49.7	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Cadmium	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Cadmium	Total	=	48.8	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Cadmium	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Cadmium	Total	=	47.8	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Cadmium	Total	=	95	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Cadmium	Total	=	47.3	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Cadmium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Cadmium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Cadmium	Total	=	45.3	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Cadmium	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Cadmium	Total	=	44.4	µg/L	EPA 200.8	0.041	0.1			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Cadmium	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Cadmium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	Lab	LCS	7/1/2015	Metal	Chromium	Dissolved	=	52.7	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Chromium	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	Lab	LCS	7/7/2015	Metal	Chromium	Dissolved	=	49.6	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Chromium	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	Lab	LCS	7/12/2015	Metal	Chromium	Dissolved	=	47.2	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Chromium	Dissolved	=	94	%	EPA 200.8	-88	-88	85	115	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Chromium	Dissolved	=	48.4	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Chromium	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Chromium	Dissolved	=	47.3	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Chromium	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Chromium	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Chromium	Dissolved	=	48.1	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Chromium	Dissolved	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Chromium	Dissolved	=	47.4	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Chromium	Dissolved	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Chromium	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	Lab	LCS	7/1/2015	Metal	Chromium	Total	=	52.7	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Chromium	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	Lab	LCS	7/7/2015	Metal	Chromium	Total	=	49.6	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Chromium	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Chromium	Total	<	0.035	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	Lab	LCS	7/12/2015	Metal	Chromium	Total	=	47.2	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Chromium	Total	=	94	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Chromium	Total	=	51.5	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Chromium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Chromium	Total	=	51.7	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Chromium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Chromium	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Chromium	Total	=	48.4	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Chromium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Chromium	Total	=	47.3	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Chromium	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Chromium	Total	=	48.1	µg/L	EPA 200.8	0.035	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Chromium	Total	=	93	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Chromium	Total	=	47.4	µg/L	EPA 200.8	0.035	0.2			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Chromium	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Chromium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	6/24/2015	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2014/15-6	Lab	LCS	6/24/2015	Metal	Chromium VI	n/a	=	5.06	µg/L	EPA 218.6	0.0048	0.02			
2014/15-6	Lab	LCS, rec	6/24/2015	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	90	110	
2014/15-6	Lab	method blank	7/2/2015	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2014/15-6	Lab	LCS	7/2/2015	Metal	Chromium VI	n/a	=	5.16	µg/L	EPA 218.6	0.0048	0.02			
2014/15-6	Lab	LCS, rec	7/2/2015	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	90	110	
2014/15-6	Lab	method blank	7/8/2015	Metal	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02			
2014/15-6	Lab	LCS	7/8/2015	Metal	Chromium VI	n/a	=	5.18	µg/L	EPA 218.6	0.0048	0.02			
2014/15-6	Lab	LCS, rec	7/8/2015	Metal	Chromium VI	n/a	=	104	%	EPA 218.6	-88	-88	90	110	
2014/15-6	ME-CC	matrix spike	7/8/2015	Metal	Chromium VI	n/a	=	5.29	µg/L	EPA 218.6	0.0048	0.02			
2014/15-6	ME-CC	matrix spike, rec	7/8/2015	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2014/15-6	ME-CC	matrix spike dup	7/8/2015	Metal	Chromium VI	n/a	=	5.35	µg/L	EPA 218.6	0.0048	0.02			
2014/15-6	ME-CC	matrix spike dup, rec	7/8/2015	Metal	Chromium VI	n/a	=	104	%	EPA 218.6	-88	-88	88	112	
2014/15-6	ME-CC	matrix spike, RPD	7/8/2015	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2014/15-6	ME-SCR	matrix spike	7/2/2015	Metal	Chromium VI	n/a	=	5.28	µg/L	EPA 218.6	0.0048	0.02			
2014/15-6	ME-SCR	matrix spike, rec	7/2/2015	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2014/15-6	ME-SCR	matrix spike dup	7/2/2015	Metal	Chromium VI	n/a	=	5.35	µg/L	EPA 218.6	0.0048	0.02			
2014/15-6	ME-SCR	matrix spike dup, rec	7/2/2015	Metal	Chromium VI	n/a	=	104	%	EPA 218.6	-88	-88	88	112	
2014/15-6	ME-SCR	matrix spike, RPD	7/2/2015	Metal	Chromium VI	n/a	=	1	%	EPA 218.6	-88	-88	0	10	
2014/15-6	ME-VR2	matrix spike	6/24/2015	Metal	Chromium VI	n/a	=	5.25	µg/L	EPA 218.6	0.0048	0.02			
2014/15-6	ME-VR2	matrix spike, rec	6/24/2015	Metal	Chromium VI	n/a	=	101	%	EPA 218.6	-88	-88	88	112	
2014/15-6	ME-VR2	matrix spike dup	6/24/2015	Metal	Chromium VI	n/a	=	5.33	µg/L	EPA 218.6	0.0048	0.02			
2014/15-6	ME-VR2	matrix spike dup, rec	6/24/2015	Metal	Chromium VI	n/a	=	103	%	EPA 218.6	-88	-88	88	112	
2014/15-6	ME-VR2	matrix spike, RPD	6/24/2015	Metal	Chromium VI	n/a	=	2	%	EPA 218.6	-88	-88	0	10	
2014/15-6	Lab	method blank	7/1/2015	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS	7/1/2015	Metal	Copper	Dissolved	=	54.2	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Copper	Dissolved	=	108	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/2/2015	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS	7/2/2015	Metal	Copper	Dissolved	=	51.3	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS, rec	7/2/2015	Metal	Copper	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS	7/7/2015	Metal	Copper	Dissolved	=	50.2	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Copper	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS	7/12/2015	Metal	Copper	Dissolved	=	48.7	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Copper	Dissolved	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/2/2015	Metal	Copper	Dissolved	=	45.5	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	ME-VR2	matrix spike, rec	7/2/2015	Metal	Copper	Dissolved	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/2/2015	Metal	Copper	Dissolved	=	44.7	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	ME-VR2	matrix spike dup, rec	7/2/2015	Metal	Copper	Dissolved	=	89	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/2/2015	Metal	Copper	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Copper	Dissolved	=	50.8	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Copper	Dissolved	=	91	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Copper	Dissolved	=	49.8	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Copper	Dissolved	=	89	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Copper	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Copper	Dissolved	=	44.2	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Copper	Dissolved	=	87	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Copper	Dissolved	=	43.6	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Copper	Dissolved	=	86	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Copper	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS	7/1/2015	Metal	Copper	Total	=	54.2	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Copper	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Copper	Total	DNQ	0.3	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS	7/7/2015	Metal	Copper	Total	=	50.2	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Copper	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Copper	Total	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS	7/12/2015	Metal	Copper	Total	=	48.7	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Copper	Total	=	49	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Copper	Total	=	49.1	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Copper	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Copper	Total	=	0.3	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Copper	Total	=	50.8	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Copper	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Copper	Total	=	49.8	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Copper	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Copper	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Copper	Total	=	44.2	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Copper	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Copper	Total	=	43.6	µg/L	EPA 200.8	0.13	0.5			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Copper	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Copper	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	6/29/2015	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS	6/29/2015	Metal	Iron	Dissolved	=	184	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS, rec	6/29/2015	Metal	Iron	Dissolved	=	92	%	EPA 200.7	-88	-88	85	115	
2014/15-6	Lab	method blank	6/30/2015	Metal	Iron	Dissolved	DNQ	1.23	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS	6/30/2015	Metal	Iron	Dissolved	=	176	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS, rec	6/30/2015	Metal	Iron	Dissolved	=	88	%	EPA 200.7	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Iron	Dissolved	DNQ	2.77	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS	7/7/2015	Metal	Iron	Dissolved	=	183	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Iron	Dissolved	=	91	%	EPA 200.7	-88	-88	85	115	
2014/15-6	Lab	method blank	7/13/2015	Metal	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS	7/13/2015	Metal	Iron	Dissolved	=	180	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS, rec	7/13/2015	Metal	Iron	Dissolved	=	90	%	EPA 200.7	-88	-88	85	115	
2014/15-6	Lab	method blank	6/29/2015	Metal	Iron	Total	DNQ	1.8	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS	6/29/2015	Metal	Iron	Total	=	184	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS, rec	6/29/2015	Metal	Iron	Total	=	92	%	EPA 200.7	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/7/2015	Metal	Iron	Total	DNQ	4.39	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS	7/7/2015	Metal	Iron	Total	=	183	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Iron	Total	=	91	%	EPA 200.7	-88	-88	85	115	
2014/15-6	Lab	method blank	7/13/2015	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS	7/13/2015	Metal	Iron	Total	=	180	µg/L	EPA 200.7	1.1	10			
2014/15-6	Lab	LCS, rec	7/13/2015	Metal	Iron	Total	=	90	%	EPA 200.7	-88	-88	85	115	
2014/15-6	ME-SCR	matrix spike	7/7/2015	Metal	Iron	Total	=	2010	µg/L	EPA 200.7	1.1	10			
2014/15-6	ME-SCR	matrix spike, rec	7/7/2015	Metal	Iron	Total	=	88	%	EPA 200.7	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/7/2015	Metal	Iron	Total	=	2040	µg/L	EPA 200.7	1.1	10			
2014/15-6	ME-SCR	matrix spike dup, rec	7/7/2015	Metal	Iron	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/7/2015	Metal	Iron	Total	=	2	%	EPA 200.7	-88	-88	0	30	
2014/15-6	MO-OJA	matrix spike	6/29/2015	Metal	Iron	Total	=	271	µg/L	EPA 200.7	1.1	10			
2014/15-6	MO-OJA	matrix spike, rec	6/29/2015	Metal	Iron	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2014/15-6	MO-OJA	matrix spike dup	6/29/2015	Metal	Iron	Total	=	267	µg/L	EPA 200.7	1.1	10			
2014/15-6	MO-OJA	matrix spike dup, rec	6/29/2015	Metal	Iron	Total	=	97	%	EPA 200.7	-88	-88	70	130	
2014/15-6	MO-OJA	matrix spike, RPD	6/29/2015	Metal	Iron	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2014/15-6	MO-THO	matrix spike	7/13/2015	Metal	Iron	Total	=	273	µg/L	EPA 200.7	1.1	10			
2014/15-6	MO-THO	matrix spike, rec	7/13/2015	Metal	Iron	Total	=	98	%	EPA 200.7	-88	-88	70	130	
2014/15-6	MO-THO	matrix spike dup	7/13/2015	Metal	Iron	Total	=	266	µg/L	EPA 200.7	1.1	10			
2014/15-6	MO-THO	matrix spike dup, rec	7/13/2015	Metal	Iron	Total	=	94	%	EPA 200.7	-88	-88	70	130	
2014/15-6	MO-THO	matrix spike, RPD	7/13/2015	Metal	Iron	Total	=	3	%	EPA 200.7	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	Lab	LCS	7/1/2015	Metal	Lead	Dissolved	=	52	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Lead	Dissolved	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	Lab	LCS	7/7/2015	Metal	Lead	Dissolved	=	51.6	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Lead	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	Lab	LCS	7/12/2015	Metal	Lead	Dissolved	=	46	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Lead	Dissolved	=	92	%	EPA 200.8	-88	-88	85	115	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Lead	Dissolved	=	48.6	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Lead	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Lead	Dissolved	=	47	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Lead	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Lead	Dissolved	=	4	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Lead	Dissolved	=	45.6	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Lead	Dissolved	=	91	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Lead	Dissolved	=	44.8	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Lead	Dissolved	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Lead	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	Lab	LCS	7/1/2015	Metal	Lead	Total	=	52	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Lead	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	Lab	LCS	7/7/2015	Metal	Lead	Total	=	51.6	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Lead	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	7/12/2015	Metal	Lead	Total	=	46	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Lead	Total	=	92	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Lead	Total	=	50.7	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Lead	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Lead	Total	=	50.9	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Lead	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Lead	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Lead	Total	=	48.6	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Lead	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Lead	Total	=	47	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Lead	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Lead	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Lead	Total	=	45.6	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Lead	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Lead	Total	=	44.8	µg/L	EPA 200.8	0.031	0.2			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Lead	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Lead	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/6/2015	Metal	Mercury	Dissolved	=	940	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup	7/6/2015	Metal	Mercury	Dissolved	=	912	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup, rec	7/6/2015	Metal	Mercury	Dissolved	=	90	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, rec	7/6/2015	Metal	Mercury	Dissolved	=	93	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	7/6/2015	Metal	Mercury	Dissolved	=	3	%	EPA 245.1	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/13/2015	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike	7/13/2015	Metal	Mercury	Dissolved	=	994	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup	7/13/2015	Metal	Mercury	Dissolved	=	997	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup	7/13/2015	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup, rec	7/13/2015	Metal	Mercury	Dissolved	=	97	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup, rec	7/13/2015	Metal	Mercury	Dissolved	=	99	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, rec	7/13/2015	Metal	Mercury	Dissolved	=	99	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, rec	7/13/2015	Metal	Mercury	Dissolved	=	97	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	7/13/2015	Metal	Mercury	Dissolved	=	0.3	%	EPA 245.1	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike, RPD	7/13/2015	Metal	Mercury	Dissolved	=	0	%	EPA 245.1	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/20/2015	Metal	Mercury	Dissolved	=	976	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup	7/20/2015	Metal	Mercury	Dissolved	=	950	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup, rec	7/20/2015	Metal	Mercury	Dissolved	=	94	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, rec	7/20/2015	Metal	Mercury	Dissolved	=	96	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	7/20/2015	Metal	Mercury	Dissolved	=	3	%	EPA 245.1	-88	-88	0	20	
2014/15-6	Lab	LCS	7/6/2015	Metal	Mercury	Dissolved	=	960	ng/L	EPA 245.1	3.9	50			
2014/15-6	Lab	LCS, rec	7/6/2015	Metal	Mercury	Dissolved	=	96	%	EPA 245.1	-88	-88	85	115	
2014/15-6	Lab	method blank	7/6/2015	Metal	Mercury	Dissolved	DNQ	13	ng/L	EPA 245.1	3.9	50			
2014/15-6	Lab	LCS	7/13/2015	Metal	Mercury	Dissolved	=	997	ng/L	EPA 245.1	3.9	50			
2014/15-6	Lab	LCS, rec	7/13/2015	Metal	Mercury	Dissolved	=	100	%	EPA 245.1	-88	-88	85	115	
2014/15-6	Lab	method blank	7/13/2015	Metal	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	3.9	50			
2014/15-6	Lab	LCS	7/20/2015	Metal	Mercury	Dissolved	=	1010	ng/L	EPA 245.1	3.9	50			
2014/15-6	Lab	LCS, rec	7/20/2015	Metal	Mercury	Dissolved	=	101	%	EPA 245.1	-88	-88	85	115	
2014/15-6	Lab	method blank	7/20/2015	Metal	Mercury	Dissolved	DNQ	10	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike	7/6/2015	Metal	Mercury	Total	=	940	ng/L	EPA 245.1	3.9	50			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike dup	7/6/2015	Metal	Mercury	Total	=	912	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup, rec	7/6/2015	Metal	Mercury	Total	=	90	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, rec	7/6/2015	Metal	Mercury	Total	=	93	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	7/6/2015	Metal	Mercury	Total	=	3	%	EPA 245.1	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/13/2015	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike	7/13/2015	Metal	Mercury	Total	=	994	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup	7/13/2015	Metal	Mercury	Total	=	997	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup	7/13/2015	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup, rec	7/13/2015	Metal	Mercury	Total	=	99	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup, rec	7/13/2015	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, rec	7/13/2015	Metal	Mercury	Total	=	99	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, rec	7/13/2015	Metal	Mercury	Total	=	97	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	7/13/2015	Metal	Mercury	Total	=	0	%	EPA 245.1	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike, RPD	7/13/2015	Metal	Mercury	Total	=	0.3	%	EPA 245.1	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/20/2015	Metal	Mercury	Total	=	976	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup	7/20/2015	Metal	Mercury	Total	=	950	ng/L	EPA 245.1	3.9	50			
2014/15-6	000NONPJ	matrix spike dup, rec	7/20/2015	Metal	Mercury	Total	=	94	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, rec	7/20/2015	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	7/20/2015	Metal	Mercury	Total	=	3	%	EPA 245.1	-88	-88	0	20	
2014/15-6	Lab	LCS	7/6/2015	Metal	Mercury	Total	=	960	ng/L	EPA 245.1	3.9	50			
2014/15-6	Lab	LCS, rec	7/6/2015	Metal	Mercury	Total	=	96	%	EPA 245.1	-88	-88	85	115	
2014/15-6	Lab	method blank	7/6/2015	Metal	Mercury	Total	DNQ	8	ng/L	EPA 245.1	3.9	50			
2014/15-6	Lab	LCS	7/13/2015	Metal	Mercury	Total	=	997	ng/L	EPA 245.1	3.9	50			
2014/15-6	Lab	LCS, rec	7/13/2015	Metal	Mercury	Total	=	100	%	EPA 245.1	-88	-88	85	115	
2014/15-6	Lab	method blank	7/13/2015	Metal	Mercury	Total	DNQ	10	ng/L	EPA 245.1	3.9	50			
2014/15-6	Lab	LCS	7/20/2015	Metal	Mercury	Total	=	1010	ng/L	EPA 245.1	3.9	50			
2014/15-6	Lab	LCS, rec	7/20/2015	Metal	Mercury	Total	=	101	%	EPA 245.1	-88	-88	85	115	
2014/15-6	Lab	method blank	7/20/2015	Metal	Mercury	Total	DNQ	12	ng/L	EPA 245.1	3.9	50			
2014/15-6	Lab	method blank	7/1/2015	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	Lab	LCS	7/1/2015	Metal	Nickel	Dissolved	=	53.5	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Nickel	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	Lab	LCS	7/7/2015	Metal	Nickel	Dissolved	=	50	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Nickel	Dissolved	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Nickel	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	Lab	LCS	7/12/2015	Metal	Nickel	Dissolved	=	47.9	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Nickel	Dissolved	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Nickel	Dissolved	=	46.4	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Nickel	Dissolved	=	91	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Nickel	Dissolved	=	45.4	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Nickel	Dissolved	=	88	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Nickel	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Nickel	Dissolved	=	45.4	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Nickel	Dissolved	=	89	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Nickel	Dissolved	=	44.5	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Nickel	Dissolved	=	87	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Nickel	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/1/2015	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	Lab	LCS	7/1/2015	Metal	Nickel	Total	=	53.5	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Nickel	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Nickel	Total	DNQ	0.64	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	Lab	LCS	7/7/2015	Metal	Nickel	Total	=	50	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Nickel	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Nickel	Total	<	0.045	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	Lab	LCS	7/12/2015	Metal	Nickel	Total	=	47.9	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Nickel	Total	=	96	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Nickel	Total	=	49.4	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Nickel	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Nickel	Total	=	49.6	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Nickel	Total	=	98	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Nickel	Total	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Nickel	Total	=	46.4	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Nickel	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Nickel	Total	=	45.4	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Nickel	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Nickel	Total	=	45.4	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Nickel	Total	=	89	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Nickel	Total	=	44.5	µg/L	EPA 200.8	0.045	0.8			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Nickel	Total	=	87	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Nickel	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	Lab	LCS	7/1/2015	Metal	Selenium	Dissolved	=	52.3	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Selenium	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	Lab	LCS	7/7/2015	Metal	Selenium	Dissolved	=	50.9	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Selenium	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	Lab	LCS	7/12/2015	Metal	Selenium	Dissolved	=	46.4	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Selenium	Dissolved	=	93	%	EPA 200.8	-88	-88	85	115	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Selenium	Dissolved	=	64	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Selenium	Dissolved	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Selenium	Dissolved	=	63.9	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Selenium	Dissolved	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Selenium	Dissolved	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Selenium	Dissolved	=	88.3	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Selenium	Dissolved	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Selenium	Dissolved	=	87.8	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Selenium	Dissolved	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Selenium	Dissolved	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	Lab	LCS	7/1/2015	Metal	Selenium	Total	=	52.3	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Selenium	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	7/7/2015	Metal	Selenium	Total	=	50.9	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Selenium	Total	<	0.14	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	Lab	LCS	7/12/2015	Metal	Selenium	Total	=	46.4	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Selenium	Total	=	93	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Selenium	Total	=	53.4	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Selenium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Selenium	Total	=	52.5	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Selenium	Total	=	103	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Selenium	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Selenium	Total	=	64	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Selenium	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Selenium	Total	=	63.9	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Selenium	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Selenium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Selenium	Total	=	88.3	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Selenium	Total	=	110	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Selenium	Total	=	87.8	µg/L	EPA 200.8	0.14	0.4			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Selenium	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Selenium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	Lab	LCS	7/1/2015	Metal	Silver	Dissolved	=	49.4	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Silver	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	Lab	LCS	7/7/2015	Metal	Silver	Dissolved	=	51.3	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Silver	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	Lab	LCS	7/12/2015	Metal	Silver	Dissolved	=	46.1	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Silver	Dissolved	=	92	%	EPA 200.8	-88	-88	85	115	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Silver	Dissolved	=	45.2	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Silver	Dissolved	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Silver	Dissolved	=	46.2	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Silver	Dissolved	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Silver	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Silver	Dissolved	=	43	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Silver	Dissolved	=	86	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Silver	Dissolved	=	42.2	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Silver	Dissolved	=	84	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Silver	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	Lab	LCS	7/1/2015	Metal	Silver	Total	=	49.4	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Silver	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	Lab	LCS	7/7/2015	Metal	Silver	Total	=	51.3	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Silver	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	Lab	LCS	7/12/2015	Metal	Silver	Total	=	46.1	µg/L	EPA 200.8	0.062	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Silver	Total	=	47	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Silver	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Silver	Total	=	45.9	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Silver	Total	=	45.2	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Silver	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Silver	Total	=	46.2	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Silver	Total	=	92	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Silver	Total	=	43	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Silver	Total	=	86	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Silver	Total	=	42.2	µg/L	EPA 200.8	0.062	0.2			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Silver	Total	=	84	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Silver	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	Lab	LCS	7/1/2015	Metal	Thallium	Dissolved	=	53.1	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Thallium	Dissolved	=	106	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	Lab	LCS	7/7/2015	Metal	Thallium	Dissolved	=	52.3	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Thallium	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	Lab	LCS	7/12/2015	Metal	Thallium	Dissolved	=	47.5	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Thallium	Dissolved	=	95	%	EPA 200.8	-88	-88	85	115	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Thallium	Dissolved	=	50.9	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Thallium	Dissolved	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Thallium	Dissolved	=	48.7	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Thallium	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Thallium	Dissolved	=	4	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Thallium	Dissolved	=	47.9	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Thallium	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Thallium	Dissolved	=	47.4	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Thallium	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Thallium	Dissolved	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	Lab	LCS	7/1/2015	Metal	Thallium	Total	=	53.1	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Thallium	Total	=	106	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	Lab	LCS	7/7/2015	Metal	Thallium	Total	=	52.3	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Thallium	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	Lab	LCS	7/12/2015	Metal	Thallium	Total	=	47.5	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Thallium	Total	=	95	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Thallium	Total	=	52.2	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Thallium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Thallium	Total	=	51.9	µg/L	EPA 200.8	0.014	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Thallium	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Thallium	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Thallium	Total	=	50.9	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Thallium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Thallium	Total	=	48.7	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Thallium	Total	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Thallium	Total	=	4	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Thallium	Total	=	47.9	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Thallium	Total	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Thallium	Total	=	47.4	µg/L	EPA 200.8	0.014	0.2			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Thallium	Total	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS	7/1/2015	Metal	Zinc	Dissolved	=	54.2	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Zinc	Dissolved	=	108	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/2/2015	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS	7/2/2015	Metal	Zinc	Dissolved	=	53.6	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS, rec	7/2/2015	Metal	Zinc	Dissolved	=	107	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS	7/7/2015	Metal	Zinc	Dissolved	=	52.6	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Zinc	Dissolved	=	105	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Zinc	Dissolved	<	0.94	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS	7/12/2015	Metal	Zinc	Dissolved	=	49.6	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Zinc	Dissolved	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/2/2015	Metal	Zinc	Dissolved	=	49.2	µg/L	EPA 200.8	0.94	5			
2014/15-6	ME-VR2	matrix spike, rec	7/2/2015	Metal	Zinc	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/2/2015	Metal	Zinc	Dissolved	=	49	µg/L	EPA 200.8	0.94	5			
2014/15-6	ME-VR2	matrix spike dup, rec	7/2/2015	Metal	Zinc	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/2/2015	Metal	Zinc	Dissolved	=	0.4	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Zinc	Dissolved	=	50.2	µg/L	EPA 200.8	0.94	5			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Zinc	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Zinc	Dissolved	=	48.6	µg/L	EPA 200.8	0.94	5			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Zinc	Dissolved	=	91	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Zinc	Dissolved	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Zinc	Dissolved	=	46.4	µg/L	EPA 200.8	0.94	5			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Zinc	Dissolved	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Zinc	Dissolved	=	45.3	µg/L	EPA 200.8	0.94	5			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Zinc	Dissolved	=	88	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Zinc	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	Lab	method blank	7/1/2015	Metal	Zinc	Total	<	0.94	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS	7/1/2015	Metal	Zinc	Total	=	54.2	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS, rec	7/1/2015	Metal	Zinc	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/7/2015	Metal	Zinc	Total	DNQ	1.32	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS	7/7/2015	Metal	Zinc	Total	=	52.6	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS, rec	7/7/2015	Metal	Zinc	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2014/15-6	Lab	method blank	7/12/2015	Metal	Zinc	Total	DNQ	2.68	µg/L	EPA 200.8	0.94	5			
2014/15-6	Lab	LCS	7/12/2015	Metal	Zinc	Total	=	49.6	µg/L	EPA 200.8	0.94	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/12/2015	Metal	Zinc	Total	=	99	%	EPA 200.8	-88	-88	85	115	
2014/15-6	ME-VR2	matrix spike	7/1/2015	Metal	Zinc	Total	=	50.9	µg/L	EPA 200.8	0.94	5			
2014/15-6	ME-VR2	matrix spike, rec	7/1/2015	Metal	Zinc	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike dup	7/1/2015	Metal	Zinc	Total	=	50.8	µg/L	EPA 200.8	0.94	5			
2014/15-6	ME-VR2	matrix spike dup, rec	7/1/2015	Metal	Zinc	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-6	ME-VR2	matrix spike, RPD	7/1/2015	Metal	Zinc	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/7/2015	Metal	Zinc	Total	=	50.2	µg/L	EPA 200.8	0.94	5			
2014/15-6	MO-FIL	matrix spike, rec	7/7/2015	Metal	Zinc	Total	=	94	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/7/2015	Metal	Zinc	Total	=	48.6	µg/L	EPA 200.8	0.94	5			
2014/15-6	MO-FIL	matrix spike dup, rec	7/7/2015	Metal	Zinc	Total	=	91	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/7/2015	Metal	Zinc	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-6	MO-SIM	matrix spike	7/12/2015	Metal	Zinc	Total	=	46.4	µg/L	EPA 200.8	0.94	5			
2014/15-6	MO-SIM	matrix spike, rec	7/12/2015	Metal	Zinc	Total	=	90	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike dup	7/12/2015	Metal	Zinc	Total	=	45.3	µg/L	EPA 200.8	0.94	5			
2014/15-6	MO-SIM	matrix spike dup, rec	7/12/2015	Metal	Zinc	Total	=	88	%	EPA 200.8	-88	-88	70	130	
2014/15-6	MO-SIM	matrix spike, RPD	7/12/2015	Metal	Zinc	Total	=	2	%	EPA 200.8	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	6/24/2015	Nutrient	Ammonia as N	n/a	=	0.27	mg/L	EPA 350.1	0.048	0.1			
2014/15-6	000NONPJ	matrix spike dup	6/24/2015	Nutrient	Ammonia as N	n/a	=	0.272	mg/L	EPA 350.1	0.048	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	6/24/2015	Nutrient	Ammonia as N	n/a	=	109	%	EPA 350.1	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, rec	6/24/2015	Nutrient	Ammonia as N	n/a	=	108	%	EPA 350.1	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	6/24/2015	Nutrient	Ammonia as N	n/a	=	0.8	%	EPA 350.1	-88	-88	0	15	
2014/15-6	Lab	LCS	6/24/2015	Nutrient	Ammonia as N	n/a	=	0.248	mg/L	EPA 350.1	0.048	0.1			
2014/15-6	Lab	LCS, rec	6/24/2015	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2014/15-6	Lab	method blank	6/24/2015	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-6	Lab	LCS	7/2/2015	Nutrient	Ammonia as N	n/a	=	0.245	mg/L	EPA 350.1	0.048	0.1			
2014/15-6	Lab	LCS, rec	7/2/2015	Nutrient	Ammonia as N	n/a	=	98	%	EPA 350.1	-88	-88	90	110	
2014/15-6	Lab	method blank	7/2/2015	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-6	Lab	LCS	7/8/2015	Nutrient	Ammonia as N	n/a	=	0.255	mg/L	EPA 350.1	0.048	0.1			
2014/15-6	Lab	LCS, rec	7/8/2015	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2014/15-6	Lab	method blank	7/8/2015	Nutrient	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1			
2014/15-6	ME-CC	matrix spike	7/8/2015	Nutrient	Ammonia as N	n/a	=	0.257	mg/L	EPA 350.1	0.048	0.1			
2014/15-6	ME-CC	matrix spike dup	7/8/2015	Nutrient	Ammonia as N	n/a	=	0.256	mg/L	EPA 350.1	0.048	0.1			
2014/15-6	ME-CC	matrix spike dup, rec	7/8/2015	Nutrient	Ammonia as N	n/a	=	102	%	EPA 350.1	-88	-88	90	110	
2014/15-6	ME-CC	matrix spike, rec	7/8/2015	Nutrient	Ammonia as N	n/a	=	103	%	EPA 350.1	-88	-88	90	110	
2014/15-6	ME-CC	matrix spike, RPD	7/8/2015	Nutrient	Ammonia as N	n/a	=	0.2	%	EPA 350.1	-88	-88	0	15	
2014/15-6	ME-SCR	matrix spike	7/2/2015	Nutrient	Ammonia as N	n/a	=	0.251	mg/L	EPA 350.1	0.048	0.1			
2014/15-6	ME-SCR	matrix spike dup	7/2/2015	Nutrient	Ammonia as N	n/a	=	0.249	mg/L	EPA 350.1	0.048	0.1			
2014/15-6	ME-SCR	matrix spike dup, rec	7/2/2015	Nutrient	Ammonia as N	n/a	=	99	%	EPA 350.1	-88	-88	90	110	
2014/15-6	ME-SCR	matrix spike, rec	7/2/2015	Nutrient	Ammonia as N	n/a	=	100	%	EPA 350.1	-88	-88	90	110	
2014/15-6	ME-SCR	matrix spike, RPD	7/2/2015	Nutrient	Ammonia as N	n/a	=	1	%	EPA 350.1	-88	-88	0	15	
2014/15-6	000NONPJ	matrix spike	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.28	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	000NONPJ	matrix spike, rec	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	108	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike dup	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.26	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	107	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	0.9	%	EPA 353.2	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.1	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	000NONPJ	matrix spike, rec	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike dup	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.2	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	4	%	EPA 353.2	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.11	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	000NONPJ	matrix spike, rec	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike dup	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.17	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	105	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	3	%	EPA 353.2	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.11	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	000NONPJ	matrix spike, rec	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	99	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike dup	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2.07	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	5.73	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	109	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	7.16	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	7.13	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	0.4	%	EPA 353.2	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	5.68	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	106	%	EPA 353.2	-88	-88	90	110	
2014/15-6	Lab	method blank	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	Lab	LCS	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	1.05	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	Lab	LCS, rec	6/24/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	105	%	EPA 353.2	-88	-88	90	110	
2014/15-6	Lab	method blank	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	Lab	LCS	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	0.984	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	Lab	LCS, rec	7/2/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2014/15-6	Lab	method blank	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	Lab	LCS	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	1.04	mg/L	EPA 353.2	0.01	0.1			
2014/15-6	Lab	LCS, rec	7/8/2015	Nutrient	Nitrate + Nitrite as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Nutrient	Nitrate as N	n/a	=	5.73	mg/L	EPA 353.2	0.041	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Nutrient	Nitrate as N	n/a	=	109	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Nutrient	Nitrate as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Nutrient	Nitrate as N	n/a	=	7.16	mg/L	EPA 353.2	0.041	0.1			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Nutrient	Nitrate as N	n/a	=	103	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Nutrient	Nitrate as N	n/a	=	7.13	mg/L	EPA 353.2	0.041	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Nutrient	Nitrate as N	n/a	=	101	%	EPA 353.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Nutrient	Nitrate as N	n/a	=	0.4	%	EPA 353.2	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Nutrient	Nitrate as N	n/a	=	5.68	mg/L	EPA 353.2	0.041	0.1			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Nutrient	Nitrate as N	n/a	=	106	%	EPA 353.2	-88	-88	90	110	
2014/15-6	Lab	method blank	7/8/2015	Nutrient	Nitrate as N	n/a	<	0.041	mg/L	EPA 353.2	0.041	0.1			
2014/15-6	Lab	LCS	7/8/2015	Nutrient	Nitrate as N	n/a	=	1.04	mg/L	EPA 353.2	0.041	0.1			
2014/15-6	Lab	LCS, rec	7/8/2015	Nutrient	Nitrate as N	n/a	=	104	%	EPA 353.2	-88	-88	90	110	
2014/15-6	Lab	method blank	7/6/2015	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	Lab	LCS	7/6/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0508	mg/L	EPA 365.1	0.0014	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/6/2015	Nutrient	Phosphorus as P	Dissolved	=	102	%	EPA 365.1	-88	-88	90	110	
2014/15-6	Lab	method blank	7/10/2015	Nutrient	Phosphorus as P	Dissolved	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	Lab	LCS	7/10/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0501	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	Lab	LCS, rec	7/10/2015	Nutrient	Phosphorus as P	Dissolved	=	100	%	EPA 365.1	-88	-88	90	110	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0601	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Nutrient	Phosphorus as P	Dissolved	=	104	%	EPA 365.1	-88	-88	90	110	
2014/15-6	ME-SCR	matrix spike dup	7/10/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0608	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	ME-SCR	matrix spike dup, rec	7/10/2015	Nutrient	Phosphorus as P	Dissolved	=	106	%	EPA 365.1	-88	-88	90	110	
2014/15-6	ME-SCR	matrix spike, RPD	7/10/2015	Nutrient	Phosphorus as P	Dissolved	=	1	%	EPA 365.1	-88	-88	0	20	
2014/15-6	ME-VR2	matrix spike	7/6/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0578	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	ME-VR2	matrix spike, rec	7/6/2015	Nutrient	Phosphorus as P	Dissolved	=	100	%	EPA 365.1	-88	-88	90	110	
2014/15-6	ME-VR2	matrix spike dup	7/6/2015	Nutrient	Phosphorus as P	Dissolved	=	0.0571	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	ME-VR2	matrix spike dup, rec	7/6/2015	Nutrient	Phosphorus as P	Dissolved	=	99	%	EPA 365.1	-88	-88	90	110	
2014/15-6	ME-VR2	matrix spike, RPD	7/6/2015	Nutrient	Phosphorus as P	Dissolved	=	1	%	EPA 365.1	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	6/29/2015	Nutrient	Phosphorus as P	Total	=	0.111	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	000NONPJ	matrix spike, rec	6/29/2015	Nutrient	Phosphorus as P	Total	=	102	%	EPA 365.1	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike dup	6/29/2015	Nutrient	Phosphorus as P	Total	=	0.11	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	6/29/2015	Nutrient	Phosphorus as P	Total	=	100	%	EPA 365.1	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	6/29/2015	Nutrient	Phosphorus as P	Total	=	0.9	%	EPA 365.1	-88	-88	0	20	
2014/15-6	000NONPJ	matrix spike	7/10/2015	Nutrient	Phosphorus as P	Total	=	0.0607	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/10/2015	Nutrient	Phosphorus as P	Total	=	101	%	EPA 365.1	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike dup	7/10/2015	Nutrient	Phosphorus as P	Total	=	0.0611	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/10/2015	Nutrient	Phosphorus as P	Total	=	102	%	EPA 365.1	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	7/10/2015	Nutrient	Phosphorus as P	Total	=	0.7	%	EPA 365.1	-88	-88	0	20	
2014/15-6	Lab	method blank	6/29/2015	Nutrient	Phosphorus as P	Total	<	0.0014	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	Lab	LCS	6/29/2015	Nutrient	Phosphorus as P	Total	=	0.0488	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	Lab	LCS, rec	6/29/2015	Nutrient	Phosphorus as P	Total	=	98	%	EPA 365.1	-88	-88	90	110	
2014/15-6	Lab	method blank	7/10/2015	Nutrient	Phosphorus as P	Total	DNQ	0.0036	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	Lab	LCS	7/10/2015	Nutrient	Phosphorus as P	Total	=	0.0504	mg/L	EPA 365.1	0.0014	0.01			
2014/15-6	Lab	LCS, rec	7/10/2015	Nutrient	Phosphorus as P	Total	=	101	%	EPA 365.1	-88	-88	90	110	
2014/15-6	000NONPJ	lab duplicate	7/2/2015	Nutrient	TKN	n/a	=	0.488	mg/L	EPA 351.2	0.05	0.1	0	10	
2014/15-6	000NONPJ	matrix spike	7/2/2015	Nutrient	TKN	n/a	=	1.13	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	000NONPJ	matrix spike	7/2/2015	Nutrient	TKN	n/a	=	0.764	mg/L	EPA 351.2	0.05	0.1			GB
2014/15-6	000NONPJ	matrix spike dup	7/2/2015	Nutrient	TKN	n/a	=	0.652	mg/L	EPA 351.2	0.05	0.1			GB
2014/15-6	000NONPJ	matrix spike dup	7/2/2015	Nutrient	TKN	n/a	=	1.16	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	7/2/2015	Nutrient	TKN	n/a	=	65	%	EPA 351.2	-88	-88	90	110	GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/2/2015	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, rec	7/2/2015	Nutrient	TKN	n/a	=	76	%	EPA 351.2	-88	-88	90	110	GB
2014/15-6	000NONPJ	matrix spike, rec	7/2/2015	Nutrient	TKN	n/a	=	98	%	EPA 351.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	7/2/2015	Nutrient	TKN	n/a	=	3	%	EPA 351.2	-88	-88	0	10	
2014/15-6	000NONPJ	matrix spike, RPD	7/2/2015	Nutrient	TKN	n/a	=	16	%	EPA 351.2	-88	-88	0	10	IL
2014/15-6	000NONPJ	matrix spike	7/13/2015	Nutrient	TKN	n/a	=	2.81	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	000NONPJ	matrix spike	7/13/2015	Nutrient	TKN	n/a	=	1.55	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	000NONPJ	matrix spike dup	7/13/2015	Nutrient	TKN	n/a	=	2.75	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	000NONPJ	matrix spike dup	7/13/2015	Nutrient	TKN	n/a	=	1.44	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	7/13/2015	Nutrient	TKN	n/a	=	98	%	EPA 351.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike dup, rec	7/13/2015	Nutrient	TKN	n/a	=	96	%	EPA 351.2	-88	-88	90	110	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike, rec	7/13/2015	Nutrient	TKN	n/a	=	109	%	EPA 351.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, rec	7/13/2015	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	7/13/2015	Nutrient	TKN	n/a	=	7	%	EPA 351.2	-88	-88	0	10	
2014/15-6	000NONPJ	matrix spike, RPD	7/13/2015	Nutrient	TKN	n/a	=	2	%	EPA 351.2	-88	-88	0	10	
2014/15-6	000NONPJ	lab duplicate	7/20/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1	0	10	
2014/15-6	000NONPJ	matrix spike	7/20/2015	Nutrient	TKN	n/a	=	1.83	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	000NONPJ	matrix spike dup	7/20/2015	Nutrient	TKN	n/a	=	1.83	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	7/20/2015	Nutrient	TKN	n/a	=	105	%	EPA 351.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, rec	7/20/2015	Nutrient	TKN	n/a	=	106	%	EPA 351.2	-88	-88	90	110	
2014/15-6	000NONPJ	matrix spike, RPD	7/20/2015	Nutrient	TKN	n/a	=	0.2	%	EPA 351.2	-88	-88	0	10	
2014/15-6	Lab	LCS	7/2/2015	Nutrient	TKN	n/a	=	0.985	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	Lab	LCS	7/2/2015	Nutrient	TKN	n/a	=	0.971	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	Lab	LCS, rec	7/2/2015	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2014/15-6	Lab	LCS, rec	7/2/2015	Nutrient	TKN	n/a	=	99	%	EPA 351.2	-88	-88	90	110	
2014/15-6	Lab	method blank	7/2/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	Lab	method blank	7/2/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	Lab	LCS	7/13/2015	Nutrient	TKN	n/a	=	0.952	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	Lab	LCS	7/13/2015	Nutrient	TKN	n/a	=	0.958	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	Lab	LCS, rec	7/13/2015	Nutrient	TKN	n/a	=	95	%	EPA 351.2	-88	-88	90	110	
2014/15-6	Lab	LCS, rec	7/13/2015	Nutrient	TKN	n/a	=	96	%	EPA 351.2	-88	-88	90	110	
2014/15-6	Lab	method blank	7/13/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	Lab	method blank	7/13/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	Lab	LCS	7/20/2015	Nutrient	TKN	n/a	=	0.962	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	Lab	LCS	7/20/2015	Nutrient	TKN	n/a	=	0.972	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	Lab	LCS, rec	7/20/2015	Nutrient	TKN	n/a	=	97	%	EPA 351.2	-88	-88	90	110	
2014/15-6	Lab	LCS, rec	7/20/2015	Nutrient	TKN	n/a	=	96	%	EPA 351.2	-88	-88	90	110	
2014/15-6	Lab	method blank	7/20/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	Lab	method blank	7/20/2015	Nutrient	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	ME-CC	matrix spike	7/20/2015	Nutrient	TKN	n/a	=	1.16	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	ME-CC	matrix spike dup	7/20/2015	Nutrient	TKN	n/a	=	1.17	mg/L	EPA 351.2	0.05	0.1			
2014/15-6	ME-CC	matrix spike dup, rec	7/20/2015	Nutrient	TKN	n/a	=	102	%	EPA 351.2	-88	-88	90	110	
2014/15-6	ME-CC	matrix spike, rec	7/20/2015	Nutrient	TKN	n/a	=	101	%	EPA 351.2	-88	-88	90	110	
2014/15-6	ME-CC	matrix spike, RPD	7/20/2015	Nutrient	TKN	n/a	=	1	%	EPA 351.2	-88	-88	0	10	
2014/15-6	Lab	method blank	6/30/2015	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	16.4	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	65	%	EPA 625	-88	-88	44	142	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	16.3	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	65	%	EPA 625	-88	-88	44	142	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	18.9	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	76	%	EPA 625	-88	-88	44	142	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	14.4	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	57	%	EPA 625	-88	-88	44	142	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	27	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	15.4	µg/L	EPA 625	0.55	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	62	%	EPA 625	-88	-88	44	142	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	17.5	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	44	142	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	1,2,4-Trichlorobenzene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	1,2-Dichlorobenzene	n/a	=	14.5	µg/L	EPA 625	0.57	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	1,2-Dichlorobenzene	n/a	=	58	%	EPA 625	-88	-88	32	129	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	1,2-Dichlorobenzene	n/a	=	14.7	µg/L	EPA 625	0.57	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	1,2-Dichlorobenzene	n/a	=	59	%	EPA 625	-88	-88	32	129	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	1,2-Dichlorobenzene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	1,2-Dichlorobenzene	n/a	=	19	µg/L	EPA 625	0.57	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	1,2-Dichlorobenzene	n/a	=	76	%	EPA 625	-88	-88	32	129	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	1,2-Dichlorobenzene	n/a	=	14	µg/L	EPA 625	0.57	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	1,2-Dichlorobenzene	n/a	=	56	%	EPA 625	-88	-88	32	129	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	1,2-Dichlorobenzene	n/a	=	30	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	1,2-Dichlorobenzene	n/a	=	15.3	µg/L	EPA 625	0.57	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	1,2-Dichlorobenzene	n/a	=	61	%	EPA 625	-88	-88	32	129	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	1,2-Dichlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.57	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	1,2-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	32	129	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	1,2-Dichlorobenzene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	srgt LCS	6/24/2015	Organic	1,2-Dichloroethane-d4	n/a	=	46.5	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/24/2015	Organic	1,2-Dichloroethane-d4	n/a	=	93	%	EPA 624	-88	-88	82	125	
2014/15-6	Lab	srgt LCS dup	6/24/2015	Organic	1,2-Dichloroethane-d4	n/a	=	47.8	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/24/2015	Organic	1,2-Dichloroethane-d4	n/a	=	96	%	EPA 624	-88	-88	82	125	
2014/15-6	Lab	srgt method blank	6/24/2015	Organic	1,2-Dichloroethane-d4	n/a	=	48.7	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/24/2015	Organic	1,2-Dichloroethane-d4	n/a	=	97	%	EPA 624	-88	-88	82	125	
2014/15-6	Lab	srgt LCS	7/6/2015	Organic	1,2-Dichloroethane-d4	n/a	=	50.1	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/6/2015	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2014/15-6	Lab	srgt LCS dup	7/6/2015	Organic	1,2-Dichloroethane-d4	n/a	=	48.5	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/6/2015	Organic	1,2-Dichloroethane-d4	n/a	=	97	%	EPA 624	-88	-88	82	125	
2014/15-6	Lab	srgt method blank	7/6/2015	Organic	1,2-Dichloroethane-d4	n/a	=	49.4	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/6/2015	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2014/15-6	Lab	srgt LCS	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	48.7	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	97	%	EPA 624	-88	-88	82	125	
2014/15-6	Lab	srgt LCS dup	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	47.6	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2014/15-6	Lab	srgt method blank	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2014/15-6	ME-CC	srgt environ	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	49.8	µg/L	EPA 624	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	100	%	EPA 624	-88	-88	82	125	
2014/15-6	ME-CC	srgt matrix spike	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	47.4	µg/L	EPA 624	-88	-88			
2014/15-6	ME-CC	srgt matrix spike, rec	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2014/15-6	ME-CC	srgt matrix spike dup	7/9/2015	Organic	1,2-Dichloroethane-d4	n/a	=	47.2	µg/L	EPA 624	-88	-88			
2014/15-6	ME-CC	srgt matrix spike dup, rec	7/9/2015	Organic	1,2-Dichloroethane-d4	n/a	=	94	%	EPA 624	-88	-88	82	125	
2014/15-6	ME-SCR	srgt environ	7/6/2015	Organic	1,2-Dichloroethane-d4	n/a	=	51.5	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	ME-SCR	srgt environ, rec	7/6/2015	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2014/15-6	ME-VR2	srgt environ	6/24/2015	Organic	1,2-Dichloroethane-d4	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	6/24/2015	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2014/15-6	ME-VR2	srgt matrix spike	6/24/2015	Organic	1,2-Dichloroethane-d4	n/a	=	47.3	µg/L	EPA 624	-88	-88			
2014/15-6	ME-VR2	srgt matrix spike, rec	6/24/2015	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2014/15-6	ME-VR2	srgt matrix spike dup	6/24/2015	Organic	1,2-Dichloroethane-d4	n/a	=	47.5	µg/L	EPA 624	-88	-88			
2014/15-6	ME-VR2	srgt matrix spike dup, rec	6/24/2015	Organic	1,2-Dichloroethane-d4	n/a	=	95	%	EPA 624	-88	-88	82	125	
2014/15-6	MO-CAM	srgt environ	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	102	%	EPA 624	-88	-88	82	125	
2014/15-6	MO-FIL	srgt environ	7/6/2015	Organic	1,2-Dichloroethane-d4	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/6/2015	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2014/15-6	MO-HUE	srgt environ	7/6/2015	Organic	1,2-Dichloroethane-d4	n/a	=	51.7	µg/L	EPA 624	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/6/2015	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2014/15-6	MO-SIM	srgt environ	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	51.6	µg/L	EPA 624	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	103	%	EPA 624	-88	-88	82	125	
2014/15-6	MO-THO	srgt environ	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	101	%	EPA 624	-88	-88	82	125	
2014/15-6	MO-THO	srgt field duplicate	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	49.7	µg/L	EPA 624	-88	-88			
2014/15-6	MO-THO	srgt field duplicate, rec	7/8/2015	Organic	1,2-Dichloroethane-d4	n/a	=	99	%	EPA 624	-88	-88	82	125	
2014/15-6	Lab	method blank	6/30/2015	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	method blank	7/10/2015	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	method blank	7/14/2015	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	method blank	6/30/2015	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	1,3-Dichlorobenzene	n/a	=	13.8	µg/L	EPA 625	0.53	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	1,3-Dichlorobenzene	n/a	=	55	%	EPA 625	-88	-88	0.1	172	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	1,3-Dichlorobenzene	n/a	=	14.3	µg/L	EPA 625	0.53	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	1,3-Dichlorobenzene	n/a	=	57	%	EPA 625	-88	-88	0.1	172	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	1,3-Dichlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	1,3-Dichlorobenzene	n/a	=	17.7	µg/L	EPA 625	0.53	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	1,3-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	0.1	172	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	1,3-Dichlorobenzene	n/a	=	13.4	µg/L	EPA 625	0.53	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	1,3-Dichlorobenzene	n/a	=	54	%	EPA 625	-88	-88	0.1	172	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	1,3-Dichlorobenzene	n/a	=	28	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	1,3-Dichlorobenzene	n/a	=	14.6	µg/L	EPA 625	0.53	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	1,3-Dichlorobenzene	n/a	=	58	%	EPA 625	-88	-88	0.1	172	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	1,3-Dichlorobenzene	n/a	=	16.4	µg/L	EPA 625	0.53	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	1,3-Dichlorobenzene	n/a	=	66	%	EPA 625	-88	-88	0.1	172	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	1,3-Dichlorobenzene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-6	000NONPJ	srgt matrix spike	7/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.478	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	7/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	000NONPJ	srgt matrix spike dup	7/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.501	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike dup, rec	7/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	000NONPJ	srgt matrix spike	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.506	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	000NONPJ	srgt matrix spike dup	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.504	µg/L	EPA 525.2m	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	srgt matrix spike dup, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	000NONPJ	srgt matrix spike	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.46	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	000NONPJ	srgt matrix spike dup	7/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.46	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike dup, rec	7/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	000NONPJ	srgt matrix spike	7/17/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.462	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	7/17/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	000NONPJ	srgt matrix spike dup	7/17/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.462	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike dup, rec	7/17/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	000NONPJ	srgt matrix spike	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.472	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	000NONPJ	srgt matrix spike dup	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.518	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike dup, rec	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	srgt method blank	6/29/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.16	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/29/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	73	138	
2014/15-6	Lab	srgt LCS	6/29/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.82	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/29/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	96	%	EPA 525.2	-88	-88	73	138	
2014/15-6	Lab	srgt LCS dup	6/29/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.06	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/29/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	73	138	
2014/15-6	Lab	srgt method blank	7/7/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.617	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/7/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	123	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	srgt LCS	7/7/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.61	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/7/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	122	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	srgt method blank	7/7/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.495	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/7/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	srgt LCS	7/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.494	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	srgt method blank	7/11/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.13	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/11/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	73	138	
2014/15-6	Lab	srgt LCS dup	7/11/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.09	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/11/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	73	138	
2014/15-6	Lab	srgt LCS	7/11/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.25	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/11/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	73	138	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.453	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.465	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.93	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	73	138	
2014/15-6	Lab	srgt LCS dup	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.97	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	73	138	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.06	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	73	138	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.463	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	93	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.458	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	srgt method blank	7/17/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.474	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/17/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	95	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	srgt LCS	7/17/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.461	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/17/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	92	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	srgt method blank	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.47	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	94	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	srgt LCS	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.494	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	srgt method blank	8/3/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.33	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt method blank, rec	8/3/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	87	%	EPA 525.2	-88	-88	73	138	
2014/15-6	Lab	srgt LCS	8/3/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.14	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS, rec	8/3/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	83	%	EPA 525.2	-88	-88	73	138	
2014/15-6	Lab	srgt LCS dup	8/4/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.53	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	8/4/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	91	%	EPA 525.2	-88	-88	73	138	
2014/15-6	ME-CC	srgt environ	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	6.06	µg/L	EPA 525.2	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	121	%	EPA 525.2	-88	-88	73	138	
2014/15-6	ME-CC	srgt environ	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.513	µg/L	EPA 525.2m	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	ME-CC	srgt environ	8/4/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	4.96	µg/L	EPA 525.2	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	8/4/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	99	%	EPA 525.2	-88	-88	73	138	
2014/15-6	ME-SCR	srgt environ	7/11/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.3	µg/L	EPA 525.2	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/11/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	73	138	
2014/15-6	ME-SCR	srgt environ	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.5	µg/L	EPA 525.2m	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	ME-VR2	srgt environ	6/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.73	µg/L	EPA 525.2	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	6/30/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	115	%	EPA 525.2	-88	-88	73	138	
2014/15-6	ME-VR2	srgt environ	7/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.534	µg/L	EPA 525.2m	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/8/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	107	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	MO-CAM	srgt environ	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	7	µg/L	EPA 525.2	-88	-88			GN
2014/15-6	MO-CAM	srgt environ, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	140	%	EPA 525.2	-88	-88	73	138	GN
2014/15-6	MO-CAM	srgt environ	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.444	µg/L	EPA 525.2m	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	89	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	MO-FIL	srgt environ	7/11/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.55	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/11/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	111	%	EPA 525.2	-88	-88	73	138	
2014/15-6	MO-FIL	srgt environ	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.529	µg/L	EPA 525.2m	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	MO-HUE	srgt environ	7/11/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.27	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/11/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	73	138	
2014/15-6	MO-HUE	srgt environ	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.52	µg/L	EPA 525.2m	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	MO-SIM	srgt environ	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.47	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	109	%	EPA 525.2	-88	-88	73	138	
2014/15-6	MO-SIM	srgt environ	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.513	µg/L	EPA 525.2m	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/21/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	MO-THO	srgt environ	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.28	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/14/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	106	%	EPA 525.2	-88	-88	73	138	
2014/15-6	MO-THO	srgt environ	7/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	0.501	µg/L	EPA 525.2m	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	MO-THO	srgt environ, rec	7/15/2015	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2m	-88	-88	76	128	
2014/15-6	Lab	method blank	6/30/2015	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	1,4-Dichlorobenzene	n/a	=	15.2	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	1,4-Dichlorobenzene	n/a	=	61	%	EPA 625	-88	-88	20	124	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	1,4-Dichlorobenzene	n/a	=	15.3	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	1,4-Dichlorobenzene	n/a	=	61	%	EPA 625	-88	-88	20	124	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	1,4-Dichlorobenzene	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	1,4-Dichlorobenzene	n/a	=	18.4	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	1,4-Dichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	20	124	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	1,4-Dichlorobenzene	n/a	=	13.8	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	1,4-Dichlorobenzene	n/a	=	55	%	EPA 625	-88	-88	20	124	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	1,4-Dichlorobenzene	n/a	=	29	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	1,4-Dichlorobenzene	n/a	=	15.1	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	1,4-Dichlorobenzene	n/a	=	60	%	EPA 625	-88	-88	20	124	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	1,4-Dichlorobenzene	n/a	=	17.1	µg/L	EPA 625	0.55	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	1,4-Dichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	20	124	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	1,4-Dichlorobenzene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	method blank	7/14/2015	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	method blank	7/15/2015	Organic	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	method blank	7/7/2015	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1			
2014/15-6	Lab	method blank	7/8/2015	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1			
2014/15-6	Lab	method blank	7/16/2015	Organic	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1			
2014/15-6	Lab	srgt method blank	6/30/2015	Organic	2,4,6-Tribromophenol	n/a	=	32.6	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/30/2015	Organic	2,4,6-Tribromophenol	n/a	=	65	%	EPA 625	-88	-88	25	102	
2014/15-6	Lab	srgt LCS	6/30/2015	Organic	2,4,6-Tribromophenol	n/a	=	39.7	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/30/2015	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625	-88	-88	25	102	
2014/15-6	Lab	srgt LCS dup	6/30/2015	Organic	2,4,6-Tribromophenol	n/a	=	41.1	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/30/2015	Organic	2,4,6-Tribromophenol	n/a	=	82	%	EPA 625	-88	-88	25	102	
2014/15-6	Lab	srgt method blank	7/7/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.17	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/7/2015	Organic	2,4,6-Tribromophenol	n/a	=	82	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	Lab	srgt LCS	7/7/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.22	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/7/2015	Organic	2,4,6-Tribromophenol	n/a	=	82	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	Lab	srgt LCS dup	7/7/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.17	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/7/2015	Organic	2,4,6-Tribromophenol	n/a	=	82	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	Lab	srgt method blank	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	7.83	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	78	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	Lab	srgt LCS	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.75	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	Lab	srgt LCS dup	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	8	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	80	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	Lab	srgt method blank	7/10/2015	Organic	2,4,6-Tribromophenol	n/a	=	39.5	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/10/2015	Organic	2,4,6-Tribromophenol	n/a	=	79	%	EPA 625	-88	-88	25	102	
2014/15-6	Lab	srgt LCS	7/10/2015	Organic	2,4,6-Tribromophenol	n/a	=	44.2	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/10/2015	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625	-88	-88	25	102	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	srgt LCS dup	7/10/2015	Organic	2,4,6-Tribromophenol	n/a	=	36.6	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/10/2015	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 625	-88	-88	25	102	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	41.4	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 625	-88	-88	25	102	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	40.8	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	82	%	EPA 625	-88	-88	25	102	
2014/15-6	Lab	srgt LCS dup	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	42.3	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 625	-88	-88	25	102	
2014/15-6	Lab	srgt method blank	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	7.71	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	Lab	srgt LCS	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.35	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	84	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	Lab	srgt LCS dup	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.63	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	86	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	ME-CC	srgt environ	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	42.5	µg/L	EPA 625	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 625	-88	-88	25	102	
2014/15-6	ME-CC	srgt environ	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.99	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	90	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	ME-SCR	srgt environ	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	83	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	ME-SCR	srgt environ	7/10/2015	Organic	2,4,6-Tribromophenol	n/a	=	35.4	µg/L	EPA 625	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/10/2015	Organic	2,4,6-Tribromophenol	n/a	=	71	%	EPA 625	-88	-88	25	102	
2014/15-6	ME-VR2	srgt environ	7/1/2015	Organic	2,4,6-Tribromophenol	n/a	=	30.7	µg/L	EPA 625	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/1/2015	Organic	2,4,6-Tribromophenol	n/a	=	61	%	EPA 625	-88	-88	25	102	
2014/15-6	ME-VR2	srgt environ	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	9.36	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	94	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	MO-CAM	srgt environ	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	43.9	µg/L	EPA 625	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625	-88	-88	25	102	
2014/15-6	MO-CAM	srgt environ	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	7.32	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	73	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	MO-FIL	srgt environ	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.82	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	MO-FIL	srgt environ	7/10/2015	Organic	2,4,6-Tribromophenol	n/a	=	36.2	µg/L	EPA 625	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/10/2015	Organic	2,4,6-Tribromophenol	n/a	=	72	%	EPA 625	-88	-88	25	102	
2014/15-6	MO-HUE	srgt environ	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.48	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/8/2015	Organic	2,4,6-Tribromophenol	n/a	=	85	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	MO-HUE	srgt environ	7/10/2015	Organic	2,4,6-Tribromophenol	n/a	=	37.3	µg/L	EPA 625	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/10/2015	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 625	-88	-88	25	102	
2014/15-6	MO-SIM	srgt environ	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	37.7	µg/L	EPA 625	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	75	%	EPA 625	-88	-88	25	102	
2014/15-6	MO-SIM	srgt environ	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.12	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	81	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	MO-THO	srgt environ	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	43	µg/L	EPA 625	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/14/2015	Organic	2,4,6-Tribromophenol	n/a	=	86	%	EPA 625	-88	-88	25	102	
2014/15-6	MO-THO	srgt environ	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	8.74	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/16/2015	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 8270Cm	-88	-88	26	117	
2014/15-6	Lab	method blank	6/30/2015	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	6/30/2015	Organic	2,4,6-Trichlorophenol	n/a	=	17.1	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	2,4,6-Trichlorophenol	n/a	=	69	%	EPA 625	-88	-88	37	144	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	2,4,6-Trichlorophenol	n/a	=	16.6	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	2,4,6-Trichlorophenol	n/a	=	66	%	EPA 625	-88	-88	37	144	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	2,4,6-Trichlorophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-6	Lab	LCS	7/7/2015	Organic	2,4,6-Trichlorophenol	n/a	=	7.36	µg/L	EPA 8270Cm	0.3	1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	2,4,6-Trichlorophenol	n/a	=	74	%	EPA 8270Cm	-88	-88	30	115	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	2,4,6-Trichlorophenol	n/a	=	7.46	µg/L	EPA 8270Cm	0.3	1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	2,4,6-Trichlorophenol	n/a	=	75	%	EPA 8270Cm	-88	-88	30	115	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	2,4,6-Trichlorophenol	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/8/2015	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-6	Lab	LCS	7/8/2015	Organic	2,4,6-Trichlorophenol	n/a	=	8.14	µg/L	EPA 8270Cm	0.3	1			
2014/15-6	Lab	LCS, rec	7/8/2015	Organic	2,4,6-Trichlorophenol	n/a	=	81	%	EPA 8270Cm	-88	-88	30	115	
2014/15-6	Lab	LCS dup	7/8/2015	Organic	2,4,6-Trichlorophenol	n/a	=	7.22	µg/L	EPA 8270Cm	0.3	1			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Organic	2,4,6-Trichlorophenol	n/a	=	72	%	EPA 8270Cm	-88	-88	30	115	
2014/15-6	Lab	LCS, RPD	7/8/2015	Organic	2,4,6-Trichlorophenol	n/a	=	12	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	2,4,6-Trichlorophenol	n/a	=	19.1	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	2,4,6-Trichlorophenol	n/a	=	76	%	EPA 625	-88	-88	37	144	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	2,4,6-Trichlorophenol	n/a	=	15.6	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	2,4,6-Trichlorophenol	n/a	=	62	%	EPA 625	-88	-88	37	144	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	2,4,6-Trichlorophenol	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	2,4,6-Trichlorophenol	n/a	=	17.7	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	2,4,6-Trichlorophenol	n/a	=	71	%	EPA 625	-88	-88	37	144	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	2,4,6-Trichlorophenol	n/a	=	18.8	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	2,4,6-Trichlorophenol	n/a	=	75	%	EPA 625	-88	-88	37	144	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	2,4,6-Trichlorophenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/16/2015	Organic	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-6	Lab	LCS	7/16/2015	Organic	2,4,6-Trichlorophenol	n/a	=	7.51	µg/L	EPA 8270Cm	0.3	1			
2014/15-6	Lab	LCS, rec	7/16/2015	Organic	2,4,6-Trichlorophenol	n/a	=	75	%	EPA 8270Cm	-88	-88	30	115	
2014/15-6	Lab	LCS dup	7/16/2015	Organic	2,4,6-Trichlorophenol	n/a	=	7.48	µg/L	EPA 8270Cm	0.3	1			
2014/15-6	Lab	LCS dup, rec	7/16/2015	Organic	2,4,6-Trichlorophenol	n/a	=	75	%	EPA 8270Cm	-88	-88	30	115	
2014/15-6	Lab	LCS, RPD	7/16/2015	Organic	2,4,6-Trichlorophenol	n/a	=	0.4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	2,4-Dichlorophenol	n/a	=	17.8	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	2,4-Dichlorophenol	n/a	=	71	%	EPA 625	-88	-88	39	135	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	2,4-Dichlorophenol	n/a	=	17.6	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	2,4-Dichlorophenol	n/a	=	70	%	EPA 625	-88	-88	39	135	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	2,4-Dichlorophenol	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1			
2014/15-6	Lab	LCS	7/7/2015	Organic	2,4-Dichlorophenol	n/a	=	7.07	µg/L	EPA 8270Cm	0.51	1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	2,4-Dichlorophenol	n/a	=	71	%	EPA 8270Cm	-88	-88	32	105	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	2,4-Dichlorophenol	n/a	=	7.25	µg/L	EPA 8270Cm	0.51	1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	2,4-Dichlorophenol	n/a	=	72	%	EPA 8270Cm	-88	-88	32	105	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	2,4-Dichlorophenol	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/8/2015	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1			
2014/15-6	Lab	LCS	7/8/2015	Organic	2,4-Dichlorophenol	n/a	=	7.69	µg/L	EPA 8270Cm	0.51	1			
2014/15-6	Lab	LCS, rec	7/8/2015	Organic	2,4-Dichlorophenol	n/a	=	77	%	EPA 8270Cm	-88	-88	32	105	
2014/15-6	Lab	LCS dup	7/8/2015	Organic	2,4-Dichlorophenol	n/a	=	6.83	µg/L	EPA 8270Cm	0.51	1			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Organic	2,4-Dichlorophenol	n/a	=	68	%	EPA 8270Cm	-88	-88	32	105	
2014/15-6	Lab	LCS, RPD	7/8/2015	Organic	2,4-Dichlorophenol	n/a	=	12	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	2,4-Dichlorophenol	n/a	=	20.7	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	2,4-Dichlorophenol	n/a	=	83	%	EPA 625	-88	-88	39	135	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	2,4-Dichlorophenol	n/a	=	15.7	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	2,4-Dichlorophenol	n/a	=	63	%	EPA 625	-88	-88	39	135	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	2,4-Dichlorophenol	n/a	=	27	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	2,4-Dichlorophenol	n/a	=	17.7	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	2,4-Dichlorophenol	n/a	=	71	%	EPA 625	-88	-88	39	135	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	2,4-Dichlorophenol	n/a	=	19	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	2,4-Dichlorophenol	n/a	=	76	%	EPA 625	-88	-88	39	135	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	2,4-Dichlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/16/2015	Organic	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1			
2014/15-6	Lab	LCS	7/16/2015	Organic	2,4-Dichlorophenol	n/a	=	6.98	µg/L	EPA 8270Cm	0.51	1			
2014/15-6	Lab	LCS, rec	7/16/2015	Organic	2,4-Dichlorophenol	n/a	=	70	%	EPA 8270Cm	-88	-88	32	105	
2014/15-6	Lab	LCS dup	7/16/2015	Organic	2,4-Dichlorophenol	n/a	=	6.81	µg/L	EPA 8270Cm	0.51	1			
2014/15-6	Lab	LCS dup, rec	7/16/2015	Organic	2,4-Dichlorophenol	n/a	=	68	%	EPA 8270Cm	-88	-88	32	105	
2014/15-6	Lab	LCS, RPD	7/16/2015	Organic	2,4-Dichlorophenol	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	000NONPJ	srgt matrix spike	6/25/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	6/25/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	srgt matrix spike dup	6/25/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.1	µg/L	EPA 515.3	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike dup, rec	6/25/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	srgt method blank	6/25/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.81	µg/L	EPA 515.3	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/25/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	srgt LCS	6/25/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.79	µg/L	EPA 515.3	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/25/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	srgt method blank	7/10/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.6	µg/L	EPA 515.3	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/10/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	srgt LCS	7/10/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	11.1	µg/L	EPA 515.3	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/10/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-CC	srgt environ	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.79	µg/L	EPA 515.3	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	srgt matrix spike	7/10/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10	µg/L	EPA 515.3	-88	-88			
2014/15-6	ME-SCR	srgt matrix spike, rec	7/10/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	srgt matrix spike dup	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2014/15-6	ME-SCR	srgt matrix spike dup, rec	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	srgt environ	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-VR2	srgt environ	6/26/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.75	µg/L	EPA 515.3	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	6/26/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-CAM	srgt environ	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.54	µg/L	EPA 515.3	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	MO-CAM	srgt environ, rec	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	srgt matrix spike	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.3	µg/L	EPA 515.3	-88	-88			
2014/15-6	MO-FIL	srgt matrix spike, rec	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	srgt matrix spike dup	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.2	µg/L	EPA 515.3	-88	-88			
2014/15-6	MO-FIL	srgt matrix spike dup, rec	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	srgt environ	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.9	µg/L	EPA 515.3	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-HUE	srgt environ	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.99	µg/L	EPA 515.3	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-OJA	srgt environ	6/26/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	9.8	µg/L	EPA 515.3	-88	-88			
2014/15-6	MO-OJA	srgt environ, rec	6/26/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-SIM	srgt environ	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.4	µg/L	EPA 515.3	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-THO	srgt environ	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	10.7	µg/L	EPA 515.3	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/11/2015	Organic	2,4-Dichlorophenylacetic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	6/30/2015	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	2,4-Dimethylphenol	n/a	=	17.4	µg/L	EPA 625	0.3	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	2,4-Dimethylphenol	n/a	=	70	%	EPA 625	-88	-88	32	119	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	2,4-Dimethylphenol	n/a	=	16.8	µg/L	EPA 625	0.3	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	2,4-Dimethylphenol	n/a	=	67	%	EPA 625	-88	-88	32	119	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	2,4-Dimethylphenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS	7/7/2015	Organic	2,4-Dimethylphenol	n/a	=	6.94	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	2,4-Dimethylphenol	n/a	=	69	%	EPA 8270Cm	-88	-88	31	97	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	2,4-Dimethylphenol	n/a	=	7.41	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	2,4-Dimethylphenol	n/a	=	74	%	EPA 8270Cm	-88	-88	31	97	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	2,4-Dimethylphenol	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/8/2015	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS	7/8/2015	Organic	2,4-Dimethylphenol	n/a	=	6.16	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS, rec	7/8/2015	Organic	2,4-Dimethylphenol	n/a	=	62	%	EPA 8270Cm	-88	-88	31	97	
2014/15-6	Lab	LCS dup	7/8/2015	Organic	2,4-Dimethylphenol	n/a	=	4.72	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Organic	2,4-Dimethylphenol	n/a	=	47	%	EPA 8270Cm	-88	-88	31	97	
2014/15-6	Lab	LCS, RPD	7/8/2015	Organic	2,4-Dimethylphenol	n/a	=	26	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	2,4-Dimethylphenol	n/a	=	20.4	µg/L	EPA 625	0.3	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	2,4-Dimethylphenol	n/a	=	81	%	EPA 625	-88	-88	32	119	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	2,4-Dimethylphenol	n/a	=	14.6	µg/L	EPA 625	0.3	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	2,4-Dimethylphenol	n/a	=	58	%	EPA 625	-88	-88	32	119	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	2,4-Dimethylphenol	n/a	=	33	%	EPA 625	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/14/2015	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	2,4-Dimethylphenol	n/a	=	17.4	µg/L	EPA 625	0.3	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	2,4-Dimethylphenol	n/a	=	70	%	EPA 625	-88	-88	32	119	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	2,4-Dimethylphenol	n/a	=	19.2	µg/L	EPA 625	0.3	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	2,4-Dimethylphenol	n/a	=	77	%	EPA 625	-88	-88	32	119	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	2,4-Dimethylphenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/16/2015	Organic	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS	7/16/2015	Organic	2,4-Dimethylphenol	n/a	=	5.04	µg/L	EPA 8270Cm	1	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/16/2015	Organic	2,4-Dimethylphenol	n/a	=	50	%	EPA 8270Cm	-88	-88	31	97	
2014/15-6	Lab	LCS dup	7/16/2015	Organic	2,4-Dimethylphenol	n/a	=	5.2	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS dup, rec	7/16/2015	Organic	2,4-Dimethylphenol	n/a	=	52	%	EPA 8270Cm	-88	-88	31	97	
2014/15-6	Lab	LCS, RPD	7/16/2015	Organic	2,4-Dimethylphenol	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-6	Lab	LCS	6/30/2015	Organic	2,4-Dinitrophenol	n/a	DNQ	5.1	µg/L	EPA 625	1.6	10			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	2,4-Dinitrophenol	n/a	=	20	%	EPA 625	-88	-88	0.1	191	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	2,4-Dinitrophenol	n/a	DNQ	4.87	µg/L	EPA 625	1.6	10			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	2,4-Dinitrophenol	n/a	=	19	%	EPA 625	-88	-88	0.1	191	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	2,4-Dinitrophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS	7/7/2015	Organic	2,4-Dinitrophenol	n/a	=	7.27	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	2,4-Dinitrophenol	n/a	=	73	%	EPA 8270Cm	-88	-88	7	155	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	2,4-Dinitrophenol	n/a	=	7.97	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	2,4-Dinitrophenol	n/a	=	80	%	EPA 8270Cm	-88	-88	7	155	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	2,4-Dinitrophenol	n/a	=	9	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/8/2015	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS	7/8/2015	Organic	2,4-Dinitrophenol	n/a	=	8.95	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS, rec	7/8/2015	Organic	2,4-Dinitrophenol	n/a	=	90	%	EPA 8270Cm	-88	-88	7	155	
2014/15-6	Lab	LCS dup	7/8/2015	Organic	2,4-Dinitrophenol	n/a	=	8.22	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Organic	2,4-Dinitrophenol	n/a	=	82	%	EPA 8270Cm	-88	-88	7	155	
2014/15-6	Lab	LCS, RPD	7/8/2015	Organic	2,4-Dinitrophenol	n/a	=	9	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-6	Lab	LCS	7/10/2015	Organic	2,4-Dinitrophenol	n/a	=	21.8	µg/L	EPA 625	1.6	10			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	2,4-Dinitrophenol	n/a	=	87	%	EPA 625	-88	-88	0.1	191	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	2,4-Dinitrophenol	n/a	=	18.6	µg/L	EPA 625	1.6	10			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	2,4-Dinitrophenol	n/a	=	74	%	EPA 625	-88	-88	0.1	191	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	2,4-Dinitrophenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-6	Lab	LCS	7/14/2015	Organic	2,4-Dinitrophenol	n/a	=	14	µg/L	EPA 625	1.6	10			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	2,4-Dinitrophenol	n/a	=	56	%	EPA 625	-88	-88	0.1	191	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	2,4-Dinitrophenol	n/a	=	15.8	µg/L	EPA 625	1.6	10			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	2,4-Dinitrophenol	n/a	=	63	%	EPA 625	-88	-88	0.1	191	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	2,4-Dinitrophenol	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/16/2015	Organic	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS	7/16/2015	Organic	2,4-Dinitrophenol	n/a	=	9.13	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS, rec	7/16/2015	Organic	2,4-Dinitrophenol	n/a	=	91	%	EPA 8270Cm	-88	-88	7	155	
2014/15-6	Lab	LCS dup	7/16/2015	Organic	2,4-Dinitrophenol	n/a	=	9.64	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS dup, rec	7/16/2015	Organic	2,4-Dinitrophenol	n/a	=	96	%	EPA 8270Cm	-88	-88	7	155	
2014/15-6	Lab	LCS, RPD	7/16/2015	Organic	2,4-Dinitrophenol	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	2,4-Dinitrotoluene	n/a	=	19.5	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	2,4-Dinitrotoluene	n/a	=	78	%	EPA 625	-88	-88	39	139	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	2,4-Dinitrotoluene	n/a	=	20.4	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	2,4-Dinitrotoluene	n/a	=	82	%	EPA 625	-88	-88	39	139	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	2,4-Dinitrotoluene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	7/10/2015	Organic	2,4-Dinitrotoluene	n/a	=	22	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	2,4-Dinitrotoluene	n/a	=	88	%	EPA 625	-88	-88	39	139	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	2,4-Dinitrotoluene	n/a	=	18.7	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	2,4-Dinitrotoluene	n/a	=	75	%	EPA 625	-88	-88	39	139	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	2,4-Dinitrotoluene	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	2,4-Dinitrotoluene	n/a	=	20.6	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	2,4-Dinitrotoluene	n/a	=	83	%	EPA 625	-88	-88	39	139	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	2,4-Dinitrotoluene	n/a	=	21.7	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	2,4-Dinitrotoluene	n/a	=	87	%	EPA 625	-88	-88	39	139	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	2,4-Dinitrotoluene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	2,6-Dinitrotoluene	n/a	=	17.9	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	2,6-Dinitrotoluene	n/a	=	72	%	EPA 625	-88	-88	50	158	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	2,6-Dinitrotoluene	n/a	=	18	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	2,6-Dinitrotoluene	n/a	=	72	%	EPA 625	-88	-88	50	158	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	2,6-Dinitrotoluene	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	2,6-Dinitrotoluene	n/a	=	20.7	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	2,6-Dinitrotoluene	n/a	=	83	%	EPA 625	-88	-88	50	158	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	2,6-Dinitrotoluene	n/a	=	17.1	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	2,6-Dinitrotoluene	n/a	=	68	%	EPA 625	-88	-88	50	158	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	2,6-Dinitrotoluene	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	2,6-Dinitrotoluene	n/a	=	19.3	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	2,6-Dinitrotoluene	n/a	=	77	%	EPA 625	-88	-88	50	158	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	2,6-Dinitrotoluene	n/a	=	20.5	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	2,6-Dinitrotoluene	n/a	=	82	%	EPA 625	-88	-88	50	158	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	2,6-Dinitrotoluene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	LCS	6/24/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	47.8	µg/L	EPA 624	0.28	1			
2014/15-6	Lab	LCS, rec	6/24/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	96	%	EPA 624	-88	-88	0.1	305	
2014/15-6	Lab	LCS dup	6/24/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	50	µg/L	EPA 624	0.28	1			
2014/15-6	Lab	LCS dup, rec	6/24/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	100	%	EPA 624	-88	-88	0.1	305	
2014/15-6	Lab	LCS, RPD	6/24/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	5	%	EPA 624	-88	-88	0	25	
2014/15-6	Lab	method blank	6/24/2015	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2014/15-6	Lab	LCS	7/6/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	52.3	µg/L	EPA 624	0.28	1			
2014/15-6	Lab	LCS, rec	7/6/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	105	%	EPA 624	-88	-88	0.1	305	
2014/15-6	Lab	LCS dup	7/6/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	51.8	µg/L	EPA 624	0.28	1			
2014/15-6	Lab	LCS dup, rec	7/6/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	104	%	EPA 624	-88	-88	0.1	305	
2014/15-6	Lab	LCS, RPD	7/6/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	1	%	EPA 624	-88	-88	0	25	
2014/15-6	Lab	method blank	7/6/2015	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2014/15-6	Lab	LCS	7/8/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	48.5	µg/L	EPA 624	0.28	1			
2014/15-6	Lab	LCS, rec	7/8/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	97	%	EPA 624	-88	-88	0.1	305	
2014/15-6	Lab	LCS dup	7/8/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	48.6	µg/L	EPA 624	0.28	1			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	97	%	EPA 624	-88	-88	0.1	305	
2014/15-6	Lab	LCS, RPD	7/8/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	0.3	%	EPA 624	-88	-88	0	25	
2014/15-6	Lab	method blank	7/8/2015	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	ME-CC	matrix spike	7/8/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	49.9	µg/L	EPA 624	0.28	1			
2014/15-6	ME-CC	matrix spike, rec	7/8/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	100	%	EPA 624	-88	-88	0.1	305	
2014/15-6	ME-CC	matrix spike dup	7/9/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	49.1	µg/L	EPA 624	0.28	1			
2014/15-6	ME-CC	matrix spike dup, rec	7/9/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	98	%	EPA 624	-88	-88	0.1	305	
2014/15-6	ME-CC	matrix spike, RPD	7/9/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	2	%	EPA 624	-88	-88	0	25	
2014/15-6	ME-VR2	matrix spike	6/24/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	49.6	µg/L	EPA 624	0.28	1			
2014/15-6	ME-VR2	matrix spike, rec	6/24/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	99	%	EPA 624	-88	-88	0.1	305	
2014/15-6	ME-VR2	matrix spike dup	6/24/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	50.2	µg/L	EPA 624	0.28	1			
2014/15-6	ME-VR2	matrix spike dup, rec	6/24/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	100	%	EPA 624	-88	-88	0.1	305	
2014/15-6	ME-VR2	matrix spike, RPD	6/24/2015	Organic	2-Chloroethyl vinyl ether	n/a	=	1	%	EPA 624	-88	-88	0	25	
2014/15-6	MO-THO	field duplicate	7/8/2015	Organic	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1			
2014/15-6	Lab	method blank	6/30/2015	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	2-Chloronaphthalene	n/a	=	16.8	µg/L	EPA 625	0.45	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	2-Chloronaphthalene	n/a	=	67	%	EPA 625	-88	-88	60	118	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	2-Chloronaphthalene	n/a	=	16.2	µg/L	EPA 625	0.45	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	2-Chloronaphthalene	n/a	=	65	%	EPA 625	-88	-88	60	118	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	2-Chloronaphthalene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	2-Chloronaphthalene	n/a	=	18.5	µg/L	EPA 625	0.45	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	2-Chloronaphthalene	n/a	=	74	%	EPA 625	-88	-88	60	118	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	2-Chloronaphthalene	n/a	=	14.7	µg/L	EPA 625	0.45	1			EUM
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	2-Chloronaphthalene	n/a	=	59	%	EPA 625	-88	-88	60	118	EUM
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	2-Chloronaphthalene	n/a	=	23	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	2-Chloronaphthalene	n/a	=	16.2	µg/L	EPA 625	0.45	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	2-Chloronaphthalene	n/a	=	65	%	EPA 625	-88	-88	60	118	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	2-Chloronaphthalene	n/a	=	17.8	µg/L	EPA 625	0.45	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	2-Chloronaphthalene	n/a	=	71	%	EPA 625	-88	-88	60	118	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	2-Chloronaphthalene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	2-Chlorophenol	n/a	=	17.1	µg/L	EPA 625	0.28	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	2-Chlorophenol	n/a	=	68	%	EPA 625	-88	-88	23	134	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	2-Chlorophenol	n/a	=	17.2	µg/L	EPA 625	0.28	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	2-Chlorophenol	n/a	=	69	%	EPA 625	-88	-88	23	134	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	2-Chlorophenol	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1			
2014/15-6	Lab	LCS	7/7/2015	Organic	2-Chlorophenol	n/a	=	6.95	µg/L	EPA 8270Cm	0.65	1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	2-Chlorophenol	n/a	=	70	%	EPA 8270Cm	-88	-88	27	90	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	2-Chlorophenol	n/a	=	7.21	µg/L	EPA 8270Cm	0.65	1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	2-Chlorophenol	n/a	=	72	%	EPA 8270Cm	-88	-88	27	90	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	2-Chlorophenol	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/8/2015	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1			
2014/15-6	Lab	LCS	7/8/2015	Organic	2-Chlorophenol	n/a	=	7.37	µg/L	EPA 8270Cm	0.65	1			
2014/15-6	Lab	LCS, rec	7/8/2015	Organic	2-Chlorophenol	n/a	=	74	%	EPA 8270Cm	-88	-88	27	90	
2014/15-6	Lab	LCS dup	7/8/2015	Organic	2-Chlorophenol	n/a	=	6.72	µg/L	EPA 8270Cm	0.65	1			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Organic	2-Chlorophenol	n/a	=	67	%	EPA 8270Cm	-88	-88	27	90	
2014/15-6	Lab	LCS, RPD	7/8/2015	Organic	2-Chlorophenol	n/a	=	9	%	EPA 8270Cm	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/10/2015	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	2-Chlorophenol	n/a	=	20.3	µg/L	EPA 625	0.28	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	2-Chlorophenol	n/a	=	81	%	EPA 625	-88	-88	23	134	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	2-Chlorophenol	n/a	=	15.7	µg/L	EPA 625	0.28	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	2-Chlorophenol	n/a	=	63	%	EPA 625	-88	-88	23	134	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	2-Chlorophenol	n/a	=	25	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	2-Chlorophenol	n/a	=	17.6	µg/L	EPA 625	0.28	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	2-Chlorophenol	n/a	=	71	%	EPA 625	-88	-88	23	134	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	2-Chlorophenol	n/a	=	19.1	µg/L	EPA 625	0.28	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	2-Chlorophenol	n/a	=	77	%	EPA 625	-88	-88	23	134	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	2-Chlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/16/2015	Organic	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1			
2014/15-6	Lab	LCS	7/16/2015	Organic	2-Chlorophenol	n/a	=	6.86	µg/L	EPA 8270Cm	0.65	1			
2014/15-6	Lab	LCS, rec	7/16/2015	Organic	2-Chlorophenol	n/a	=	69	%	EPA 8270Cm	-88	-88	27	90	
2014/15-6	Lab	LCS dup	7/16/2015	Organic	2-Chlorophenol	n/a	=	6.79	µg/L	EPA 8270Cm	0.65	1			
2014/15-6	Lab	LCS dup, rec	7/16/2015	Organic	2-Chlorophenol	n/a	=	68	%	EPA 8270Cm	-88	-88	27	90	
2014/15-6	Lab	LCS, RPD	7/16/2015	Organic	2-Chlorophenol	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	srgt method blank	6/30/2015	Organic	2-Fluorobiphenyl	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/30/2015	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	22	107	
2014/15-6	Lab	srgt LCS	6/30/2015	Organic	2-Fluorobiphenyl	n/a	=	17.3	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/30/2015	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 625	-88	-88	22	107	
2014/15-6	Lab	srgt LCS dup	6/30/2015	Organic	2-Fluorobiphenyl	n/a	=	16.6	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/30/2015	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 625	-88	-88	22	107	
2014/15-6	Lab	srgt method blank	7/7/2015	Organic	2-Fluorobiphenyl	n/a	=	3.85	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/7/2015	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	Lab	srgt LCS	7/7/2015	Organic	2-Fluorobiphenyl	n/a	=	4.26	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/7/2015	Organic	2-Fluorobiphenyl	n/a	=	85	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	Lab	srgt LCS dup	7/7/2015	Organic	2-Fluorobiphenyl	n/a	=	3.44	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/7/2015	Organic	2-Fluorobiphenyl	n/a	=	69	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	Lab	srgt method blank	7/10/2015	Organic	2-Fluorobiphenyl	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/10/2015	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 625	-88	-88	22	107	
2014/15-6	Lab	srgt LCS	7/10/2015	Organic	2-Fluorobiphenyl	n/a	=	19.6	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/10/2015	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2014/15-6	Lab	srgt LCS dup	7/10/2015	Organic	2-Fluorobiphenyl	n/a	=	15.7	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/10/2015	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 625	-88	-88	22	107	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	19.6	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 625	-88	-88	22	107	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	65	%	EPA 625	-88	-88	22	107	
2014/15-6	Lab	srgt LCS dup	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	22	107	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	3.49	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	4.03	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	81	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	Lab	srgt LCS dup	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	4.08	µg/L	EPA 8270Cm	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	srgt LCS dup, rec	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	82	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	Lab	srgt method blank	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	3.84	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	Lab	srgt LCS	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	3.73	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	Lab	srgt LCS dup	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	3.54	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	ME-CC	srgt environ	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2014/15-6	ME-CC	srgt environ	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	4.14	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	ME-SCR	srgt environ	7/10/2015	Organic	2-Fluorobiphenyl	n/a	=	15.4	µg/L	EPA 625	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/10/2015	Organic	2-Fluorobiphenyl	n/a	=	61	%	EPA 625	-88	-88	22	107	
2014/15-6	ME-SCR	srgt environ	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	2.95	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	59	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	ME-VR2	srgt environ	7/1/2015	Organic	2-Fluorobiphenyl	n/a	=	16.8	µg/L	EPA 625	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/1/2015	Organic	2-Fluorobiphenyl	n/a	=	67	%	EPA 625	-88	-88	22	107	
2014/15-6	ME-VR2	srgt environ	7/7/2015	Organic	2-Fluorobiphenyl	n/a	=	4.7	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/7/2015	Organic	2-Fluorobiphenyl	n/a	=	94	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	MO-CAM	srgt environ	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 625	-88	-88	22	107	
2014/15-6	MO-CAM	srgt environ	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	3.06	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	61	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	MO-FIL	srgt environ	7/10/2015	Organic	2-Fluorobiphenyl	n/a	=	16.4	µg/L	EPA 625	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/10/2015	Organic	2-Fluorobiphenyl	n/a	=	66	%	EPA 625	-88	-88	22	107	
2014/15-6	MO-FIL	srgt environ	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	3.15	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	63	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	MO-HUE	srgt environ	7/10/2015	Organic	2-Fluorobiphenyl	n/a	=	15	µg/L	EPA 625	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/10/2015	Organic	2-Fluorobiphenyl	n/a	=	60	%	EPA 625	-88	-88	22	107	
2014/15-6	MO-HUE	srgt environ	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	3.4	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	68	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	MO-SIM	srgt environ	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	17.6	µg/L	EPA 625	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 625	-88	-88	22	107	
2014/15-6	MO-SIM	srgt environ	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	3.48	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	70	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	MO-THO	srgt environ	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	20.2	µg/L	EPA 625	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/14/2015	Organic	2-Fluorobiphenyl	n/a	=	81	%	EPA 625	-88	-88	22	107	
2014/15-6	MO-THO	srgt environ	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	3.87	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/15/2015	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 8270Cm	-88	-88	51	139	
2014/15-6	Lab	srgt method blank	6/30/2015	Organic	2-Fluorophenol	n/a	=	25.7	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/30/2015	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2014/15-6	Lab	srgt LCS	6/30/2015	Organic	2-Fluorophenol	n/a	=	21.6	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/30/2015	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2014/15-6	Lab	srgt LCS dup	6/30/2015	Organic	2-Fluorophenol	n/a	=	21.9	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/30/2015	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2014/15-6	Lab	srgt method blank	7/7/2015	Organic	2-Fluorophenol	n/a	=	6.67	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-6	Lab	srgt method blank, rec	7/7/2015	Organic	2-Fluorophenol	n/a	=	67	%	EPA 8270Cm	-88	-88	11	62	GN

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	srgt LCS	7/7/2015	Organic	2-Fluorophenol	n/a	=	5.24	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/7/2015	Organic	2-Fluorophenol	n/a	=	52	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	Lab	srgt LCS dup	7/7/2015	Organic	2-Fluorophenol	n/a	=	5.08	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/7/2015	Organic	2-Fluorophenol	n/a	=	51	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	Lab	srgt method blank	7/8/2015	Organic	2-Fluorophenol	n/a	=	5.92	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/8/2015	Organic	2-Fluorophenol	n/a	=	59	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	Lab	srgt LCS	7/8/2015	Organic	2-Fluorophenol	n/a	=	5.19	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/8/2015	Organic	2-Fluorophenol	n/a	=	52	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	Lab	srgt LCS dup	7/8/2015	Organic	2-Fluorophenol	n/a	=	4.65	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/8/2015	Organic	2-Fluorophenol	n/a	=	46	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	Lab	srgt method blank	7/10/2015	Organic	2-Fluorophenol	n/a	=	28.3	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/10/2015	Organic	2-Fluorophenol	n/a	=	57	%	EPA 625	-88	-88	3	74	
2014/15-6	Lab	srgt LCS	7/10/2015	Organic	2-Fluorophenol	n/a	=	27.5	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/10/2015	Organic	2-Fluorophenol	n/a	=	55	%	EPA 625	-88	-88	3	74	
2014/15-6	Lab	srgt LCS dup	7/10/2015	Organic	2-Fluorophenol	n/a	=	20.2	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/10/2015	Organic	2-Fluorophenol	n/a	=	40	%	EPA 625	-88	-88	3	74	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	2-Fluorophenol	n/a	=	32.4	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	2-Fluorophenol	n/a	=	65	%	EPA 625	-88	-88	3	74	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	2-Fluorophenol	n/a	=	23.8	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625	-88	-88	3	74	
2014/15-6	Lab	srgt LCS dup	7/14/2015	Organic	2-Fluorophenol	n/a	=	24.3	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/14/2015	Organic	2-Fluorophenol	n/a	=	49	%	EPA 625	-88	-88	3	74	
2014/15-6	Lab	srgt method blank	7/16/2015	Organic	2-Fluorophenol	n/a	=	5.72	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/16/2015	Organic	2-Fluorophenol	n/a	=	57	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	Lab	srgt LCS	7/16/2015	Organic	2-Fluorophenol	n/a	=	4.75	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/16/2015	Organic	2-Fluorophenol	n/a	=	48	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	Lab	srgt LCS dup	7/16/2015	Organic	2-Fluorophenol	n/a	=	4.64	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/16/2015	Organic	2-Fluorophenol	n/a	=	46	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	ME-CC	srgt environ	7/14/2015	Organic	2-Fluorophenol	n/a	=	28.1	µg/L	EPA 625	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/14/2015	Organic	2-Fluorophenol	n/a	=	56	%	EPA 625	-88	-88	3	74	
2014/15-6	ME-CC	srgt environ	7/16/2015	Organic	2-Fluorophenol	n/a	=	5.66	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/16/2015	Organic	2-Fluorophenol	n/a	=	57	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	ME-SCR	srgt environ	7/8/2015	Organic	2-Fluorophenol	n/a	=	5.8	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/8/2015	Organic	2-Fluorophenol	n/a	=	58	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	ME-SCR	srgt environ	7/10/2015	Organic	2-Fluorophenol	n/a	=	24.4	µg/L	EPA 625	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/10/2015	Organic	2-Fluorophenol	n/a	=	49	%	EPA 625	-88	-88	3	74	
2014/15-6	ME-VR2	srgt environ	7/1/2015	Organic	2-Fluorophenol	n/a	=	22	µg/L	EPA 625	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/1/2015	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2014/15-6	ME-VR2	srgt environ	7/8/2015	Organic	2-Fluorophenol	n/a	=	6.22	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/8/2015	Organic	2-Fluorophenol	n/a	=	62	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	MO-CAM	srgt environ	7/14/2015	Organic	2-Fluorophenol	n/a	=	26.6	µg/L	EPA 625	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/14/2015	Organic	2-Fluorophenol	n/a	=	53	%	EPA 625	-88	-88	3	74	
2014/15-6	MO-CAM	srgt environ	7/16/2015	Organic	2-Fluorophenol	n/a	=	4.74	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/16/2015	Organic	2-Fluorophenol	n/a	=	47	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	MO-FIL	srgt environ	7/8/2015	Organic	2-Fluorophenol	n/a	=	6.57	µg/L	EPA 8270Cm	-88	-88			GN
2014/15-6	MO-FIL	srgt environ, rec	7/8/2015	Organic	2-Fluorophenol	n/a	=	66	%	EPA 8270Cm	-88	-88	11	62	GN
2014/15-6	MO-FIL	srgt environ	7/10/2015	Organic	2-Fluorophenol	n/a	=	27.6	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	MO-FIL	srgt environ, rec	7/10/2015	Organic	2-Fluorophenol	n/a	=	55	%	EPA 625	-88	-88	3	74	
2014/15-6	MO-HUE	srgt environ	7/8/2015	Organic	2-Fluorophenol	n/a	=	6.05	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/8/2015	Organic	2-Fluorophenol	n/a	=	60	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	MO-HUE	srgt environ	7/10/2015	Organic	2-Fluorophenol	n/a	=	26.6	µg/L	EPA 625	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/10/2015	Organic	2-Fluorophenol	n/a	=	53	%	EPA 625	-88	-88	3	74	
2014/15-6	MO-SIM	srgt environ	7/14/2015	Organic	2-Fluorophenol	n/a	=	23.8	µg/L	EPA 625	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/14/2015	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625	-88	-88	3	74	
2014/15-6	MO-SIM	srgt environ	7/16/2015	Organic	2-Fluorophenol	n/a	=	5.17	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/16/2015	Organic	2-Fluorophenol	n/a	=	52	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	MO-THO	srgt environ	7/14/2015	Organic	2-Fluorophenol	n/a	=	29.2	µg/L	EPA 625	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/14/2015	Organic	2-Fluorophenol	n/a	=	58	%	EPA 625	-88	-88	3	74	
2014/15-6	MO-THO	srgt environ	7/16/2015	Organic	2-Fluorophenol	n/a	=	5.62	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/16/2015	Organic	2-Fluorophenol	n/a	=	56	%	EPA 8270Cm	-88	-88	11	62	
2014/15-6	Lab	method blank	7/7/2015	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	method blank	7/14/2015	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	method blank	7/15/2015	Organic	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	method blank	7/7/2015	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1			
2014/15-6	Lab	method blank	7/8/2015	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1			
2014/15-6	Lab	method blank	7/16/2015	Organic	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1			
2014/15-6	Lab	method blank	6/30/2015	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	2-Nitrophenol	n/a	=	18.8	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	2-Nitrophenol	n/a	=	75	%	EPA 625	-88	-88	29	182	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	2-Nitrophenol	n/a	=	18.4	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	2-Nitrophenol	n/a	=	73	%	EPA 625	-88	-88	29	182	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	2-Nitrophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1			
2014/15-6	Lab	LCS	7/7/2015	Organic	2-Nitrophenol	n/a	=	6.76	µg/L	EPA 8270Cm	0.71	1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	2-Nitrophenol	n/a	=	68	%	EPA 8270Cm	-88	-88	33	103	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	2-Nitrophenol	n/a	=	7.09	µg/L	EPA 8270Cm	0.71	1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	2-Nitrophenol	n/a	=	71	%	EPA 8270Cm	-88	-88	33	103	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	2-Nitrophenol	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/8/2015	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1			
2014/15-6	Lab	LCS	7/8/2015	Organic	2-Nitrophenol	n/a	=	7.62	µg/L	EPA 8270Cm	0.71	1			
2014/15-6	Lab	LCS, rec	7/8/2015	Organic	2-Nitrophenol	n/a	=	76	%	EPA 8270Cm	-88	-88	33	103	
2014/15-6	Lab	LCS dup	7/8/2015	Organic	2-Nitrophenol	n/a	=	6.74	µg/L	EPA 8270Cm	0.71	1			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Organic	2-Nitrophenol	n/a	=	67	%	EPA 8270Cm	-88	-88	33	103	
2014/15-6	Lab	LCS, RPD	7/8/2015	Organic	2-Nitrophenol	n/a	=	12	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	2-Nitrophenol	n/a	=	21.5	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	2-Nitrophenol	n/a	=	86	%	EPA 625	-88	-88	29	182	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	2-Nitrophenol	n/a	=	16.6	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	2-Nitrophenol	n/a	=	66	%	EPA 625	-88	-88	29	182	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	2-Nitrophenol	n/a	=	26	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	2-Nitrophenol	n/a	=	18	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	2-Nitrophenol	n/a	=	72	%	EPA 625	-88	-88	29	182	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	2-Nitrophenol	n/a	=	19.9	µg/L	EPA 625	0.26	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	2-Nitrophenol	n/a	=	79	%	EPA 625	-88	-88	29	182	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	2-Nitrophenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/16/2015	Organic	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1			
2014/15-6	Lab	LCS	7/16/2015	Organic	2-Nitrophenol	n/a	=	6.78	µg/L	EPA 8270Cm	0.71	1			
2014/15-6	Lab	LCS, rec	7/16/2015	Organic	2-Nitrophenol	n/a	=	68	%	EPA 8270Cm	-88	-88	33	103	
2014/15-6	Lab	LCS dup	7/16/2015	Organic	2-Nitrophenol	n/a	=	6.68	µg/L	EPA 8270Cm	0.71	1			
2014/15-6	Lab	LCS dup, rec	7/16/2015	Organic	2-Nitrophenol	n/a	=	67	%	EPA 8270Cm	-88	-88	33	103	
2014/15-6	Lab	LCS, RPD	7/16/2015	Organic	2-Nitrophenol	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2014/15-6	Lab	LCS	6/30/2015	Organic	3,3'-Dichlorobenzidine	n/a	DNQ	3.88	µg/L	EPA 625	1.2	5			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	16	%	EPA 625	-88	-88	0.1	262	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	3,3'-Dichlorobenzidine	n/a	DNQ	3.37	µg/L	EPA 625	1.2	5			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	13	%	EPA 625	-88	-88	0.1	262	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2014/15-6	Lab	LCS	7/10/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	22.4	µg/L	EPA 625	1.2	5			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	90	%	EPA 625	-88	-88	0.1	262	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	21.5	µg/L	EPA 625	1.2	5			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	86	%	EPA 625	-88	-88	0.1	262	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2014/15-6	Lab	LCS	7/14/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	20.8	µg/L	EPA 625	1.2	5			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	83	%	EPA 625	-88	-88	0.1	262	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	22.1	µg/L	EPA 625	1.2	5			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	88	%	EPA 625	-88	-88	0.1	262	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	3,3'-Dichlorobenzidine	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-6	Lab	method blank	7/8/2015	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-6	Lab	method blank	7/16/2015	Organic	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1			
2014/15-6	Lab	method blank	6/30/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2014/15-6	Lab	LCS	6/30/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5.85	µg/L	EPA 625	1.7	5			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23	%	EPA 625	-88	-88	0.1	181	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5.87	µg/L	EPA 625	1.7	5			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23	%	EPA 625	-88	-88	0.1	181	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	0.3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1			
2014/15-6	Lab	LCS	7/7/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	7.61	µg/L	EPA 8270Cm	0.14	1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	76	%	EPA 8270Cm	-88	-88	33	118	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8.05	µg/L	EPA 8270Cm	0.14	1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	80	%	EPA 8270Cm	-88	-88	33	118	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/8/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1			
2014/15-6	Lab	LCS	7/8/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8.29	µg/L	EPA 8270Cm	0.14	1			
2014/15-6	Lab	LCS, rec	7/8/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	83	%	EPA 8270Cm	-88	-88	33	118	
2014/15-6	Lab	LCS dup	7/8/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8.11	µg/L	EPA 8270Cm	0.14	1			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	81	%	EPA 8270Cm	-88	-88	33	118	
2014/15-6	Lab	LCS, RPD	7/8/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/10/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2014/15-6	Lab	LCS	7/10/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.4	µg/L	EPA 625	1.7	5			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	94	%	EPA 625	-88	-88	0.1	181	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	20.1	µg/L	EPA 625	1.7	5			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	80	%	EPA 625	-88	-88	0.1	181	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2014/15-6	Lab	LCS	7/14/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	15.8	µg/L	EPA 625	1.7	5			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	63	%	EPA 625	-88	-88	0.1	181	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	18	µg/L	EPA 625	1.7	5			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	72	%	EPA 625	-88	-88	0.1	181	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/16/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1			
2014/15-6	Lab	LCS	7/16/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8.06	µg/L	EPA 8270Cm	0.14	1			
2014/15-6	Lab	LCS, rec	7/16/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	81	%	EPA 8270Cm	-88	-88	33	118	
2014/15-6	Lab	LCS dup	7/16/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	8.51	µg/L	EPA 8270Cm	0.14	1			
2014/15-6	Lab	LCS dup, rec	7/16/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	85	%	EPA 8270Cm	-88	-88	33	118	
2014/15-6	Lab	LCS, RPD	7/16/2015	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	srgt LCS	6/24/2015	Organic	4-Bromofluorobenzene	n/a	=	52	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/24/2015	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2014/15-6	Lab	srgt LCS dup	6/24/2015	Organic	4-Bromofluorobenzene	n/a	=	52.3	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/24/2015	Organic	4-Bromofluorobenzene	n/a	=	105	%	EPA 624	-88	-88	88	108	
2014/15-6	Lab	srgt method blank	6/24/2015	Organic	4-Bromofluorobenzene	n/a	=	49.5	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/24/2015	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2014/15-6	Lab	srgt method blank	6/29/2015	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/29/2015	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015B	-88	-88	72	124	
2014/15-6	Lab	srgt LCS	6/29/2015	Organic	4-Bromofluorobenzene	n/a	=	42	µg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/29/2015	Organic	4-Bromofluorobenzene	n/a	=	84	%	EPA 8015B	-88	-88	72	124	
2014/15-6	Lab	srgt LCS dup	6/29/2015	Organic	4-Bromofluorobenzene	n/a	=	43	µg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/29/2015	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 8015B	-88	-88	72	124	
2014/15-6	Lab	srgt LCS	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2014/15-6	Lab	srgt LCS dup	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	51.2	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	102	%	EPA 624	-88	-88	88	108	
2014/15-6	Lab	srgt method blank	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	101	%	EPA 624	-88	-88	88	108	
2014/15-6	Lab	srgt method blank	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015B	-88	-88	72	124	
2014/15-6	Lab	srgt LCS	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	46	µg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	92	%	EPA 8015B	-88	-88	72	124	
2014/15-6	Lab	srgt LCS dup	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	43	µg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 8015B	-88	-88	72	124	
2014/15-6	Lab	srgt LCS	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	51.7	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	103	%	EPA 624	-88	-88	88	108	
2014/15-6	Lab	srgt LCS dup	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	52.6	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	105	%	EPA 624	-88	-88	88	108	
2014/15-6	Lab	srgt method blank	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	49.1	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	srgt method blank, rec	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2014/15-6	Lab	srgt method blank	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015B	-88	-88	72	124	
2014/15-6	Lab	srgt LCS	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	45	µg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 8015B	-88	-88	72	124	
2014/15-6	Lab	srgt LCS dup	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	45	µg/L	EPA 8015B	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 8015B	-88	-88	72	124	
2014/15-6	ME-CC	srgt environ	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	48.4	µg/L	EPA 624	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2014/15-6	ME-CC	srgt matrix spike	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	51.9	µg/L	EPA 624	-88	-88			
2014/15-6	ME-CC	srgt matrix spike, rec	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2014/15-6	ME-CC	srgt matrix spike dup	7/9/2015	Organic	4-Bromofluorobenzene	n/a	=	52.3	µg/L	EPA 624	-88	-88			
2014/15-6	ME-CC	srgt matrix spike dup, rec	7/9/2015	Organic	4-Bromofluorobenzene	n/a	=	105	%	EPA 624	-88	-88	88	108	
2014/15-6	ME-CC	srgt environ	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 8015B	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 8015B	-88	-88	72	124	
2014/15-6	ME-SCR	srgt environ	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	45	µg/L	EPA 8015B	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 8015B	-88	-88	72	124	
2014/15-6	ME-SCR	srgt environ	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	47.7	µg/L	EPA 624	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	95	%	EPA 624	-88	-88	88	108	
2014/15-6	ME-VR2	srgt environ	6/24/2015	Organic	4-Bromofluorobenzene	n/a	=	49.4	µg/L	EPA 624	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	6/24/2015	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	
2014/15-6	ME-VR2	srgt matrix spike	6/24/2015	Organic	4-Bromofluorobenzene	n/a	=	52.2	µg/L	EPA 624	-88	-88			
2014/15-6	ME-VR2	srgt matrix spike, rec	6/24/2015	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2014/15-6	ME-VR2	srgt matrix spike dup	6/24/2015	Organic	4-Bromofluorobenzene	n/a	=	51.9	µg/L	EPA 624	-88	-88			
2014/15-6	ME-VR2	srgt matrix spike dup, rec	6/24/2015	Organic	4-Bromofluorobenzene	n/a	=	104	%	EPA 624	-88	-88	88	108	
2014/15-6	ME-VR2	srgt environ	6/29/2015	Organic	4-Bromofluorobenzene	n/a	=	48	µg/L	EPA 8015B	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	6/29/2015	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 8015B	-88	-88	72	124	
2014/15-6	MO-CAM	srgt environ	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	48.1	µg/L	EPA 624	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 624	-88	-88	88	108	
2014/15-6	MO-CAM	srgt environ	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	45	µg/L	EPA 8015B	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	90	%	EPA 8015B	-88	-88	72	124	
2014/15-6	MO-FIL	srgt environ	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	44	µg/L	EPA 8015B	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	88	%	EPA 8015B	-88	-88	72	124	
2014/15-6	MO-FIL	srgt environ	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	48.5	µg/L	EPA 624	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	97	%	EPA 624	-88	-88	88	108	
2014/15-6	MO-HUE	srgt environ	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	49	µg/L	EPA 8015B	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 8015B	-88	-88	72	124	
2014/15-6	MO-HUE	srgt environ	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	49.2	µg/L	EPA 624	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/6/2015	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2014/15-6	MO-SIM	srgt environ	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	48.1	µg/L	EPA 624	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	96	%	EPA 624	-88	-88	88	108	
2014/15-6	MO-SIM	srgt environ	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	42	µg/L	EPA 8015B	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	84	%	EPA 8015B	-88	-88	72	124	
2014/15-6	MO-THO	srgt environ	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	48.8	µg/L	EPA 624	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	98	%	EPA 624	-88	-88	88	108	
2014/15-6	MO-THO	srgt field duplicate	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	49.5	µg/L	EPA 624	-88	-88			
2014/15-6	MO-THO	srgt field duplicate, rec	7/8/2015	Organic	4-Bromofluorobenzene	n/a	=	99	%	EPA 624	-88	-88	88	108	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	MO-THO	srgt environ	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	43	µg/L	EPA 8015B	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/13/2015	Organic	4-Bromofluorobenzene	n/a	=	86	%	EPA 8015B	-88	-88	72	124	
2014/15-6	MO-THO	srgt field duplicate	7/14/2015	Organic	4-Bromofluorobenzene	n/a	=	42	µg/L	EPA 8015B	-88	-88			
2014/15-6	MO-THO	srgt field duplicate, rec	7/14/2015	Organic	4-Bromofluorobenzene	n/a	=	84	%	EPA 8015B	-88	-88	72	124	
2014/15-6	Lab	method blank	6/30/2015	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	15.5	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	62	%	EPA 625	-88	-88	53	127	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	16	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	64	%	EPA 625	-88	-88	53	127	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	18.6	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	74	%	EPA 625	-88	-88	53	127	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	15.2	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	61	%	EPA 625	-88	-88	53	127	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	16.7	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	67	%	EPA 625	-88	-88	53	127	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	17.7	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	71	%	EPA 625	-88	-88	53	127	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	4-Bromophenyl phenyl ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	4-Chloro-3-methylphenol	n/a	=	14.1	µg/L	EPA 625	0.23	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	4-Chloro-3-methylphenol	n/a	=	56	%	EPA 625	-88	-88	22	147	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	4-Chloro-3-methylphenol	n/a	=	18.1	µg/L	EPA 625	0.23	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	4-Chloro-3-methylphenol	n/a	=	72	%	EPA 625	-88	-88	22	147	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	4-Chloro-3-methylphenol	n/a	=	25	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1			
2014/15-6	Lab	LCS	7/7/2015	Organic	4-Chloro-3-methylphenol	n/a	=	7.48	µg/L	EPA 8270Cm	0.37	1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	4-Chloro-3-methylphenol	n/a	=	75	%	EPA 8270Cm	-88	-88	29	108	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	4-Chloro-3-methylphenol	n/a	=	7.63	µg/L	EPA 8270Cm	0.37	1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	4-Chloro-3-methylphenol	n/a	=	76	%	EPA 8270Cm	-88	-88	29	108	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	4-Chloro-3-methylphenol	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/8/2015	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1			
2014/15-6	Lab	LCS	7/8/2015	Organic	4-Chloro-3-methylphenol	n/a	=	8.09	µg/L	EPA 8270Cm	0.37	1			
2014/15-6	Lab	LCS, rec	7/8/2015	Organic	4-Chloro-3-methylphenol	n/a	=	81	%	EPA 8270Cm	-88	-88	29	108	
2014/15-6	Lab	LCS dup	7/8/2015	Organic	4-Chloro-3-methylphenol	n/a	=	7.18	µg/L	EPA 8270Cm	0.37	1			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Organic	4-Chloro-3-methylphenol	n/a	=	72	%	EPA 8270Cm	-88	-88	29	108	
2014/15-6	Lab	LCS, RPD	7/8/2015	Organic	4-Chloro-3-methylphenol	n/a	=	12	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	4-Chloro-3-methylphenol	n/a	=	18.6	µg/L	EPA 625	0.23	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	4-Chloro-3-methylphenol	n/a	=	74	%	EPA 625	-88	-88	22	147	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	4-Chloro-3-methylphenol	n/a	=	16.8	µg/L	EPA 625	0.23	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	4-Chloro-3-methylphenol	n/a	=	67	%	EPA 625	-88	-88	22	147	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	4-Chloro-3-methylphenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	7/14/2015	Organic	4-Chloro-3-methylphenol	n/a	=	19.1	µg/L	EPA 625	0.23	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	4-Chloro-3-methylphenol	n/a	=	76	%	EPA 625	-88	-88	22	147	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	4-Chloro-3-methylphenol	n/a	=	19.9	µg/L	EPA 625	0.23	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	4-Chloro-3-methylphenol	n/a	=	80	%	EPA 625	-88	-88	22	147	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	4-Chloro-3-methylphenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/16/2015	Organic	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1			
2014/15-6	Lab	LCS	7/16/2015	Organic	4-Chloro-3-methylphenol	n/a	=	7.59	µg/L	EPA 8270Cm	0.37	1			
2014/15-6	Lab	LCS, rec	7/16/2015	Organic	4-Chloro-3-methylphenol	n/a	=	76	%	EPA 8270Cm	-88	-88	29	108	
2014/15-6	Lab	LCS dup	7/16/2015	Organic	4-Chloro-3-methylphenol	n/a	=	7.69	µg/L	EPA 8270Cm	0.37	1			
2014/15-6	Lab	LCS dup, rec	7/16/2015	Organic	4-Chloro-3-methylphenol	n/a	=	77	%	EPA 8270Cm	-88	-88	29	108	
2014/15-6	Lab	LCS, RPD	7/16/2015	Organic	4-Chloro-3-methylphenol	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	18.1	µg/L	EPA 625	0.41	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	72	%	EPA 625	-88	-88	25	158	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	18.3	µg/L	EPA 625	0.41	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	73	%	EPA 625	-88	-88	25	158	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.8	µg/L	EPA 625	0.41	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	83	%	EPA 625	-88	-88	25	158	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	16.2	µg/L	EPA 625	0.41	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	65	%	EPA 625	-88	-88	25	158	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	25	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	17.6	µg/L	EPA 625	0.41	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	70	%	EPA 625	-88	-88	25	158	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.7	µg/L	EPA 625	0.41	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	79	%	EPA 625	-88	-88	25	158	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	4-Chlorophenyl phenyl ether	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-6	Lab	LCS	6/30/2015	Organic	4-Nitrophenol	n/a	=	5.09	µg/L	EPA 625	0.45	5			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	4-Nitrophenol	n/a	=	20	%	EPA 625	-88	-88	0.1	132	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	4-Nitrophenol	n/a	=	5.32	µg/L	EPA 625	0.45	5			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	4-Nitrophenol	n/a	=	21	%	EPA 625	-88	-88	0.1	132	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	4-Nitrophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS	7/7/2015	Organic	4-Nitrophenol	n/a	=	3.75	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	4-Nitrophenol	n/a	=	38	%	EPA 8270Cm	-88	-88	6	46	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	4-Nitrophenol	n/a	=	3.79	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	4-Nitrophenol	n/a	=	38	%	EPA 8270Cm	-88	-88	6	46	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	4-Nitrophenol	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/8/2015	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS	7/8/2015	Organic	4-Nitrophenol	n/a	=	3.56	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS, rec	7/8/2015	Organic	4-Nitrophenol	n/a	=	36	%	EPA 8270Cm	-88	-88	6	46	
2014/15-6	Lab	LCS dup	7/8/2015	Organic	4-Nitrophenol	n/a	=	3.4	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Organic	4-Nitrophenol	n/a	=	34	%	EPA 8270Cm	-88	-88	6	46	
2014/15-6	Lab	LCS, RPD	7/8/2015	Organic	4-Nitrophenol	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/10/2015	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-6	Lab	LCS	7/10/2015	Organic	4-Nitrophenol	n/a	=	8.52	µg/L	EPA 625	0.45	5			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	4-Nitrophenol	n/a	=	34	%	EPA 625	-88	-88	0.1	132	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	4-Nitrophenol	n/a	=	7.71	µg/L	EPA 625	0.45	5			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	4-Nitrophenol	n/a	=	31	%	EPA 625	-88	-88	0.1	132	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	4-Nitrophenol	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-6	Lab	LCS	7/14/2015	Organic	4-Nitrophenol	n/a	=	10.1	µg/L	EPA 625	0.45	5			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	4-Nitrophenol	n/a	=	41	%	EPA 625	-88	-88	0.1	132	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	4-Nitrophenol	n/a	=	10.1	µg/L	EPA 625	0.45	5			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	4-Nitrophenol	n/a	=	40	%	EPA 625	-88	-88	0.1	132	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	4-Nitrophenol	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/16/2015	Organic	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS	7/16/2015	Organic	4-Nitrophenol	n/a	=	3.53	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS, rec	7/16/2015	Organic	4-Nitrophenol	n/a	=	35	%	EPA 8270Cm	-88	-88	6	46	
2014/15-6	Lab	LCS dup	7/16/2015	Organic	4-Nitrophenol	n/a	=	3.62	µg/L	EPA 8270Cm	1	2			
2014/15-6	Lab	LCS dup, rec	7/16/2015	Organic	4-Nitrophenol	n/a	=	36	%	EPA 8270Cm	-88	-88	6	46	
2014/15-6	Lab	LCS, RPD	7/16/2015	Organic	4-Nitrophenol	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Acenaphthene	n/a	=	19.7	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Acenaphthene	n/a	=	79	%	EPA 625	-88	-88	47	145	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Acenaphthene	n/a	=	19.8	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Acenaphthene	n/a	=	79	%	EPA 625	-88	-88	47	145	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Acenaphthene	n/a	=	0.1	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Acenaphthene	n/a	=	8.7	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Acenaphthene	n/a	=	87	%	EPA 8270Cm	-88	-88	11	122	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Acenaphthene	n/a	=	7.67	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Acenaphthene	n/a	=	77	%	EPA 8270Cm	-88	-88	11	122	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Acenaphthene	n/a	=	13	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Acenaphthene	n/a	=	22.2	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Acenaphthene	n/a	=	89	%	EPA 625	-88	-88	47	145	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Acenaphthene	n/a	=	17.2	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Acenaphthene	n/a	=	69	%	EPA 625	-88	-88	47	145	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Acenaphthene	n/a	=	25	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Acenaphthene	n/a	=	18.8	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Acenaphthene	n/a	=	75	%	EPA 625	-88	-88	47	145	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Acenaphthene	n/a	=	20.9	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Acenaphthene	n/a	=	83	%	EPA 625	-88	-88	47	145	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Acenaphthene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Acenaphthene	n/a	=	8.56	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Acenaphthene	n/a	=	86	%	EPA 8270Cm	-88	-88	11	122	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Acenaphthene	n/a	=	9.13	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Acenaphthene	n/a	=	91	%	EPA 8270Cm	-88	-88	11	122	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Acenaphthene	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Acenaphthene	n/a	=	8.22	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Acenaphthene	n/a	=	82	%	EPA 8270Cm	-88	-88	11	122	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Acenaphthene	n/a	=	7.87	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Acenaphthene	n/a	=	79	%	EPA 8270Cm	-88	-88	11	122	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Acenaphthene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Acenaphthylene	n/a	=	18.6	µg/L	EPA 625	0.4	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Acenaphthylene	n/a	=	74	%	EPA 625	-88	-88	33	145	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Acenaphthylene	n/a	=	18.1	µg/L	EPA 625	0.4	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Acenaphthylene	n/a	=	72	%	EPA 625	-88	-88	33	145	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Acenaphthylene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Acenaphthylene	n/a	=	9.04	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Acenaphthylene	n/a	=	90	%	EPA 8270Cm	-88	-88	4	135	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Acenaphthylene	n/a	=	7.68	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Acenaphthylene	n/a	=	77	%	EPA 8270Cm	-88	-88	4	135	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Acenaphthylene	n/a	=	16	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Acenaphthylene	n/a	=	21.4	µg/L	EPA 625	0.4	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Acenaphthylene	n/a	=	85	%	EPA 625	-88	-88	33	145	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Acenaphthylene	n/a	=	16.6	µg/L	EPA 625	0.4	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Acenaphthylene	n/a	=	66	%	EPA 625	-88	-88	33	145	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Acenaphthylene	n/a	=	25	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Acenaphthylene	n/a	=	18.5	µg/L	EPA 625	0.4	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Acenaphthylene	n/a	=	74	%	EPA 625	-88	-88	33	145	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Acenaphthylene	n/a	=	20.5	µg/L	EPA 625	0.4	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Acenaphthylene	n/a	=	82	%	EPA 625	-88	-88	33	145	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Acenaphthylene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Acenaphthylene	n/a	=	8.86	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Acenaphthylene	n/a	=	89	%	EPA 8270Cm	-88	-88	4	135	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Acenaphthylene	n/a	=	9.08	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Acenaphthylene	n/a	=	91	%	EPA 8270Cm	-88	-88	4	135	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Acenaphthylene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Acenaphthylene	n/a	=	8.17	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Acenaphthylene	n/a	=	82	%	EPA 8270Cm	-88	-88	4	135	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Acenaphthylene	n/a	=	8.03	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Acenaphthylene	n/a	=	80	%	EPA 8270Cm	-88	-88	4	135	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Acenaphthylene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Anthracene	n/a	=	20.8	µg/L	EPA 625	0.34	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Anthracene	n/a	=	83	%	EPA 625	-88	-88	27	133	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Anthracene	n/a	=	21.4	µg/L	EPA 625	0.34	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Anthracene	n/a	=	86	%	EPA 625	-88	-88	27	133	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Anthracene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Anthracene	n/a	=	8.98	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Anthracene	n/a	=	90	%	EPA 8270Cm	-88	-88	22	127	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Anthracene	n/a	=	8.49	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Anthracene	n/a	=	85	%	EPA 8270Cm	-88	-88	22	127	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Anthracene	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Anthracene	n/a	=	23.5	µg/L	EPA 625	0.34	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Anthracene	n/a	=	94	%	EPA 625	-88	-88	27	133	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Anthracene	n/a	=	19.4	µg/L	EPA 625	0.34	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Anthracene	n/a	=	78	%	EPA 625	-88	-88	27	133	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Anthracene	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Anthracene	n/a	=	22.2	µg/L	EPA 625	0.34	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Anthracene	n/a	=	89	%	EPA 625	-88	-88	27	133	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Anthracene	n/a	=	23.4	µg/L	EPA 625	0.34	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Anthracene	n/a	=	94	%	EPA 625	-88	-88	27	133	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Anthracene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Anthracene	n/a	=	9.38	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Anthracene	n/a	=	94	%	EPA 8270Cm	-88	-88	22	127	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Anthracene	n/a	=	9.95	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Anthracene	n/a	=	100	%	EPA 8270Cm	-88	-88	22	127	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Anthracene	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Anthracene	n/a	=	8.57	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Anthracene	n/a	=	86	%	EPA 8270Cm	-88	-88	22	127	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Anthracene	n/a	=	9.03	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Anthracene	n/a	=	90	%	EPA 8270Cm	-88	-88	22	127	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Anthracene	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Benz(a)anthracene	n/a	=	9.93	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Benz(a)anthracene	n/a	=	40	%	EPA 625	-88	-88	33	143	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Benz(a)anthracene	n/a	=	9.09	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Benz(a)anthracene	n/a	=	36	%	EPA 625	-88	-88	33	143	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Benz(a)anthracene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Benz(a)anthracene	n/a	=	8.92	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Benz(a)anthracene	n/a	=	89	%	EPA 8270Cm	-88	-88	17	131	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Benz(a)anthracene	n/a	=	8.74	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Benz(a)anthracene	n/a	=	87	%	EPA 8270Cm	-88	-88	17	131	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Benz(a)anthracene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Benz(a)anthracene	n/a	=	21.5	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Benz(a)anthracene	n/a	=	86	%	EPA 625	-88	-88	33	143	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Benz(a)anthracene	n/a	=	21.1	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Benz(a)anthracene	n/a	=	84	%	EPA 625	-88	-88	33	143	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Benz(a)anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Benz(a)anthracene	n/a	=	21.1	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Benz(a)anthracene	n/a	=	84	%	EPA 625	-88	-88	33	143	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Benz(a)anthracene	n/a	=	22.8	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Benz(a)anthracene	n/a	=	91	%	EPA 625	-88	-88	33	143	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Benz(a)anthracene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Benz(a)anthracene	n/a	=	9.72	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Benz(a)anthracene	n/a	=	97	%	EPA 8270Cm	-88	-88	17	131	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Benz(a)anthracene	n/a	=	9.94	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Benz(a)anthracene	n/a	=	99	%	EPA 8270Cm	-88	-88	17	131	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Benz(a)anthracene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Benz(a)anthracene	n/a	=	8.65	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Benz(a)anthracene	n/a	=	87	%	EPA 8270Cm	-88	-88	17	131	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Benz(a)anthracene	n/a	=	9.12	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Benz(a)anthracene	n/a	=	91	%	EPA 8270Cm	-88	-88	17	131	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Benz(a)anthracene	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2014/15-6	Lab	method blank	7/10/2015	Organic	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2014/15-6	Lab	method blank	7/14/2015	Organic	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2014/15-6	Lab	method blank	6/29/2015	Organic	Ben-zo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-6	Lab	LCS	6/29/2015	Organic	Ben-zo(a)pyrene	n/a	=	2.91	µg/L	EPA 525.2	0.07	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Organic	Ben-zo(a)pyrene	n/a	=	58	%	EPA 525.2	-88	-88	40	147	
2014/15-6	Lab	LCS dup	6/29/2015	Organic	Ben-zo(a)pyrene	n/a	=	3.24	µg/L	EPA 525.2	0.07	0.1			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Organic	Ben-zo(a)pyrene	n/a	=	65	%	EPA 525.2	-88	-88	40	147	
2014/15-6	Lab	LCS, RPD	6/29/2015	Organic	Ben-zo(a)pyrene	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Ben-zo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Ben-zo(a)pyrene	n/a	=	10.5	µg/L	EPA 625	0.13	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Ben-zo(a)pyrene	n/a	=	42	%	EPA 625	-88	-88	17	163	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Ben-zo(a)pyrene	n/a	=	9.94	µg/L	EPA 625	0.13	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Ben-zo(a)pyrene	n/a	=	40	%	EPA 625	-88	-88	17	163	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Ben-zo(a)pyrene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Ben-zo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Ben-zo(a)pyrene	n/a	=	7.91	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Ben-zo(a)pyrene	n/a	=	79	%	EPA 8270Cm	-88	-88	12	131	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Ben-zo(a)pyrene	n/a	=	7.87	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Ben-zo(a)pyrene	n/a	=	79	%	EPA 8270Cm	-88	-88	12	131	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Ben-zo(a)pyrene	n/a	=	0.5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Ben-zo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Ben-zo(a)pyrene	n/a	=	17.6	µg/L	EPA 625	0.13	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Ben-zo(a)pyrene	n/a	=	70	%	EPA 625	-88	-88	17	163	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Ben-zo(a)pyrene	n/a	=	15.6	µg/L	EPA 625	0.13	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Ben-zo(a)pyrene	n/a	=	62	%	EPA 625	-88	-88	17	163	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Benzo(a)pyrene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Organic	Benzo(a)pyrene	n/a	=	3.77	µg/L	EPA 525.2	0.07	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Organic	Benzo(a)pyrene	n/a	=	75	%	EPA 525.2	-88	-88	40	147	
2014/15-6	Lab	LCS, RPD	7/11/2015	Organic	Benzo(a)pyrene	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Organic	Benzo(a)pyrene	n/a	=	3.89	µg/L	EPA 525.2	0.07	0.1			
2014/15-6	Lab	LCS, rec	7/11/2015	Organic	Benzo(a)pyrene	n/a	=	78	%	EPA 525.2	-88	-88	40	147	
2014/15-6	Lab	method blank	7/14/2015	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	13.9	µg/L	EPA 625	0.13	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	56	%	EPA 625	-88	-88	17	163	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	14.7	µg/L	EPA 625	0.13	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	59	%	EPA 625	-88	-88	17	163	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	4.27	µg/L	EPA 525.2	0.07	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	85	%	EPA 525.2	-88	-88	40	147	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	4.42	µg/L	EPA 525.2	0.07	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	88	%	EPA 525.2	-88	-88	40	147	
2014/15-6	Lab	method blank	7/14/2015	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	8.45	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	84	%	EPA 8270Cm	-88	-88	12	131	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	8.66	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	87	%	EPA 8270Cm	-88	-88	12	131	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Benzo(a)pyrene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Benzo(a)pyrene	n/a	=	7.96	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Benzo(a)pyrene	n/a	=	80	%	EPA 8270Cm	-88	-88	12	131	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Benzo(a)pyrene	n/a	=	8.21	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Benzo(a)pyrene	n/a	=	82	%	EPA 8270Cm	-88	-88	12	131	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Benzo(a)pyrene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	8/3/2015	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-6	Lab	LCS	8/3/2015	Organic	Benzo(a)pyrene	n/a	=	5.73	µg/L	EPA 525.2	0.07	0.1			
2014/15-6	Lab	LCS, rec	8/3/2015	Organic	Benzo(a)pyrene	n/a	=	115	%	EPA 525.2	-88	-88	40	147	
2014/15-6	Lab	LCS dup	8/4/2015	Organic	Benzo(a)pyrene	n/a	=	4.97	µg/L	EPA 525.2	0.07	0.1			
2014/15-6	Lab	LCS dup, rec	8/4/2015	Organic	Benzo(a)pyrene	n/a	=	99	%	EPA 525.2	-88	-88	40	147	
2014/15-6	Lab	LCS, RPD	8/4/2015	Organic	Benzo(a)pyrene	n/a	=	14	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Benzo(b)fluoranthene	n/a	=	12	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Benzo(b)fluoranthene	n/a	=	48	%	EPA 625	-88	-88	24	159	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Benzo(b)fluoranthene	n/a	=	12.2	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Benzo(b)fluoranthene	n/a	=	49	%	EPA 625	-88	-88	24	159	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Benzo(b)fluoranthene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Benzo(b)fluoranthene	n/a	=	7.97	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Benzo(b)fluoranthene	n/a	=	80	%	EPA 8270Cm	-88	-88	19	129	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Benzo(b)fluoranthene	n/a	=	8.04	µg/L	EPA 8270Cm	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Benzo(b)fluoranthene	n/a	=	80	%	EPA 8270Cm	-88	-88	19	129	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Benzo(b)fluoranthene	n/a	=	0.8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Benzo(b)fluoranthene	n/a	=	17.4	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Benzo(b)fluoranthene	n/a	=	70	%	EPA 625	-88	-88	24	159	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Benzo(b)fluoranthene	n/a	=	15	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Benzo(b)fluoranthene	n/a	=	60	%	EPA 625	-88	-88	24	159	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Benzo(b)fluoranthene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Benzo(b)fluoranthene	n/a	=	16.6	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Benzo(b)fluoranthene	n/a	=	67	%	EPA 625	-88	-88	24	159	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Benzo(b)fluoranthene	n/a	=	15.9	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Benzo(b)fluoranthene	n/a	=	64	%	EPA 625	-88	-88	24	159	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Benzo(b)fluoranthene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Benzo(b)fluoranthene	n/a	=	8.72	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Benzo(b)fluoranthene	n/a	=	87	%	EPA 8270Cm	-88	-88	19	129	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Benzo(b)fluoranthene	n/a	=	8.64	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Benzo(b)fluoranthene	n/a	=	86	%	EPA 8270Cm	-88	-88	19	129	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Benzo(b)fluoranthene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Benzo(b)fluoranthene	n/a	=	8.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Benzo(b)fluoranthene	n/a	=	81	%	EPA 8270Cm	-88	-88	19	129	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Benzo(b)fluoranthene	n/a	=	8.27	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Benzo(b)fluoranthene	n/a	=	83	%	EPA 8270Cm	-88	-88	19	129	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Benzo(b)fluoranthene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-6	Lab	LCS	6/30/2015	Organic	Benzo(g,h,i)perylene	n/a	=	16.9	µg/L	EPA 625	0.1	2			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Benzo(g,h,i)perylene	n/a	=	68	%	EPA 625	-88	-88	0.1	219	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Benzo(g,h,i)perylene	n/a	=	18.7	µg/L	EPA 625	0.1	2			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Benzo(g,h,i)perylene	n/a	=	75	%	EPA 625	-88	-88	0.1	219	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Benzo(g,h,i)perylene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Benzo(g,h,i)perylene	n/a	=	8.79	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Benzo(g,h,i)perylene	n/a	=	88	%	EPA 8270Cm	-88	-88	14	139	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Benzo(g,h,i)perylene	n/a	=	8.66	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Benzo(g,h,i)perylene	n/a	=	87	%	EPA 8270Cm	-88	-88	14	139	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Benzo(g,h,i)perylene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-6	Lab	LCS	7/10/2015	Organic	Benzo(g,h,i)perylene	n/a	=	17.7	µg/L	EPA 625	0.1	2			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Benzo(g,h,i)perylene	n/a	=	71	%	EPA 625	-88	-88	0.1	219	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Benzo(g,h,i)perylene	n/a	=	15.2	µg/L	EPA 625	0.1	2			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Benzo(g,h,i)perylene	n/a	=	61	%	EPA 625	-88	-88	0.1	219	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Benzo(g,h,i)perylene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-6	Lab	LCS	7/14/2015	Organic	Benzo(g,h,i)perylene	n/a	=	11.9	µg/L	EPA 625	0.1	2			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Benzo(g,h,i)perylene	n/a	=	47	%	EPA 625	-88	-88	0.1	219	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Benzo(g,h,i)perylene	n/a	=	12.4	µg/L	EPA 625	0.1	2			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Benzo(g,h,i)perylene	n/a	=	50	%	EPA 625	-88	-88	0.1	219	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Benzo(g,h,i)perylene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Benzo(g,h,i)perylene	n/a	=	9.44	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Benzo(g,h,i)perylene	n/a	=	94	%	EPA 8270Cm	-88	-88	14	139	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Benzo(g,h,i)perylene	n/a	=	10.2	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Benzo(g,h,i)perylene	n/a	=	102	%	EPA 8270Cm	-88	-88	14	139	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Benzo(g,h,i)perylene	n/a	=	8	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Benzo(g,h,i)perylene	n/a	=	8.16	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Benzo(g,h,i)perylene	n/a	=	82	%	EPA 8270Cm	-88	-88	14	139	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Benzo(g,h,i)perylene	n/a	=	8.3	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Benzo(g,h,i)perylene	n/a	=	83	%	EPA 8270Cm	-88	-88	14	139	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Benzo(g,h,i)perylene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Benzo(k)fluoranthene	n/a	=	12.2	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Benzo(k)fluoranthene	n/a	=	49	%	EPA 625	-88	-88	11	162	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Benzo(k)fluoranthene	n/a	=	11.3	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Benzo(k)fluoranthene	n/a	=	45	%	EPA 625	-88	-88	11	162	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Benzo(k)fluoranthene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Benzo(k)fluoranthene	n/a	=	8.13	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Benzo(k)fluoranthene	n/a	=	81	%	EPA 8270Cm	-88	-88	22	127	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Benzo(k)fluoranthene	n/a	=	8.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Benzo(k)fluoranthene	n/a	=	81	%	EPA 8270Cm	-88	-88	22	127	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Benzo(k)fluoranthene	n/a	=	0.3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Benzo(k)fluoranthene	n/a	=	20.3	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Benzo(k)fluoranthene	n/a	=	81	%	EPA 625	-88	-88	11	162	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Benzo(k)fluoranthene	n/a	=	18.9	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Benzo(k)fluoranthene	n/a	=	76	%	EPA 625	-88	-88	11	162	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Benzo(k)fluoranthene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Benzo(k)fluoranthene	n/a	=	16.2	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Benzo(k)fluoranthene	n/a	=	65	%	EPA 625	-88	-88	11	162	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Benzo(k)fluoranthene	n/a	=	19.2	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Benzo(k)fluoranthene	n/a	=	77	%	EPA 625	-88	-88	11	162	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Benzo(k)fluoranthene	n/a	=	17	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Benzo(k)fluoranthene	n/a	=	8.52	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Benzo(k)fluoranthene	n/a	=	85	%	EPA 8270Cm	-88	-88	22	127	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Benzo(k)fluoranthene	n/a	=	9.14	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Benzo(k)fluoranthene	n/a	=	91	%	EPA 8270Cm	-88	-88	22	127	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Benzo(k)fluoranthene	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Benzo(k)fluoranthene	n/a	=	8.4	µg/L	EPA 8270Cm	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Benzo(k)fluoranthene	n/a	=	84	%	EPA 8270Cm	-88	-88	22	127	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Benzo(k)fluoranthene	n/a	=	8.64	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Benzo(k)fluoranthene	n/a	=	86	%	EPA 8270Cm	-88	-88	22	127	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Benzo(k)fluoranthene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	19	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	76	%	EPA 625	-88	-88	33	184	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	18.5	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	74	%	EPA 625	-88	-88	33	184	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	21	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	84	%	EPA 625	-88	-88	33	184	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	16.1	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	64	%	EPA 625	-88	-88	33	184	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	26	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	17.3	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	69	%	EPA 625	-88	-88	33	184	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.4	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	78	%	EPA 625	-88	-88	33	184	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Bis(2-chloroethoxy)methane	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	17.7	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	71	%	EPA 625	-88	-88	12	158	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	17.7	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	71	%	EPA 625	-88	-88	12	158	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	0.06	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	20.1	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	80	%	EPA 625	-88	-88	12	158	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	15.2	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	61	%	EPA 625	-88	-88	12	158	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	28	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	16.9	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	68	%	EPA 625	-88	-88	12	158	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	18.7	µg/L	EPA 625	0.27	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	75	%	EPA 625	-88	-88	12	158	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Bis(2-chloroethyl)ether	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	24.4	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	98	%	EPA 625	-88	-88	36	166	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	24.1	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	97	%	EPA 625	-88	-88	36	166	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	7/10/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	23.5	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	94	%	EPA 625	-88	-88	36	166	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	17.6	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	70	%	EPA 625	-88	-88	36	166	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	29	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	21.1	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	84	%	EPA 625	-88	-88	36	166	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	23.7	µg/L	EPA 625	0.38	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	95	%	EPA 625	-88	-88	36	166	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Bis(2-chloroisopropyl)ether	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/29/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-6	Lab	LCS	6/29/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6.4	µg/L	EPA 525.2	0.1	5			
2014/15-6	Lab	LCS, rec	6/29/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	128	%	EPA 525.2	-88	-88	71	158	
2014/15-6	Lab	LCS dup	6/29/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.28	µg/L	EPA 525.2	0.1	5			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	106	%	EPA 525.2	-88	-88	71	158	
2014/15-6	Lab	LCS, RPD	6/29/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	19	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-6	Lab	LCS dup	7/11/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	7.12	µg/L	EPA 525.2	0.1	5			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	142	%	EPA 525.2	-88	-88	71	158	
2014/15-6	Lab	LCS, RPD	7/11/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6.91	µg/L	EPA 525.2	0.1	5			
2014/15-6	Lab	LCS, rec	7/11/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	138	%	EPA 525.2	-88	-88	71	158	
2014/15-6	Lab	method blank	7/14/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6.62	µg/L	EPA 525.2	0.1	5			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	132	%	EPA 525.2	-88	-88	71	158	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6.03	µg/L	EPA 525.2	0.1	5			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	121	%	EPA 525.2	-88	-88	71	158	
2014/15-6	Lab	method blank	8/3/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-6	Lab	LCS	8/3/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.91	µg/L	EPA 525.2	0.1	5			
2014/15-6	Lab	LCS, rec	8/3/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	98	%	EPA 525.2	-88	-88	71	158	
2014/15-6	Lab	LCS dup	8/4/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.22	µg/L	EPA 525.2	0.1	5			
2014/15-6	Lab	LCS dup, rec	8/4/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	104	%	EPA 525.2	-88	-88	71	158	
2014/15-6	Lab	LCS, RPD	8/4/2015	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	6/29/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-6	Lab	LCS	6/29/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.67	µg/L	EPA 525.2	1.1	3			
2014/15-6	Lab	LCS, rec	6/29/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	133	%	EPA 525.2	-88	-88	68	154	
2014/15-6	Lab	LCS dup	6/29/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.14	µg/L	EPA 525.2	1.1	3			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	103	%	EPA 525.2	-88	-88	68	154	
2014/15-6	Lab	LCS, RPD	6/29/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	26	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2014/15-6	Lab	LCS	6/30/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	15.7	µg/L	EPA 625	2.3	5			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	63	%	EPA 625	-88	-88	8	158	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	15.5	µg/L	EPA 625	2.3	5			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	62	%	EPA 625	-88	-88	8	158	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	1	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/10/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2014/15-6	Lab	LCS	7/10/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	28.7	µg/L	EPA 625	2.3	5			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	115	%	EPA 625	-88	-88	8	158	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	21.6	µg/L	EPA 625	2.3	5			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	87	%	EPA 625	-88	-88	8	158	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	28	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.89	µg/L	EPA 525.2	1.1	3			
2014/15-6	Lab	LCS dup	7/11/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	10.2	µg/L	EPA 525.2	1.1	3			EUM
2014/15-6	Lab	LCS dup, rec	7/11/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	204	%	EPA 525.2	-88	-88	68	154	EUM
2014/15-6	Lab	LCS, RPD	7/11/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	40	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	LCS	7/11/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.83	µg/L	EPA 525.2	1.1	3			
2014/15-6	Lab	LCS, rec	7/11/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	137	%	EPA 525.2	-88	-88	68	154	
2014/15-6	Lab	method blank	7/14/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2014/15-6	Lab	LCS	7/14/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	22	µg/L	EPA 625	2.3	5			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	88	%	EPA 625	-88	-88	8	158	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	37.8	µg/L	EPA 625	2.3	5			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	151	%	EPA 625	-88	-88	8	158	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	53	%	EPA 625	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/14/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.69	µg/L	EPA 525.2	1.1	3			
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	12.2	µg/L	EPA 525.2	1.1	3			EUM
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	243	%	EPA 525.2	-88	-88	68	154	EUM
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	67	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	LCS	7/14/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.09	µg/L	EPA 525.2	1.1	3			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	122	%	EPA 525.2	-88	-88	68	154	
2014/15-6	Lab	method blank	8/3/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-6	Lab	LCS	8/3/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.61	µg/L	EPA 525.2	1.1	3			
2014/15-6	Lab	LCS, rec	8/3/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	92	%	EPA 525.2	-88	-88	68	154	
2014/15-6	Lab	LCS dup	8/4/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.8	µg/L	EPA 525.2	1.1	3			
2014/15-6	Lab	LCS dup, rec	8/4/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	116	%	EPA 525.2	-88	-88	68	154	
2014/15-6	Lab	LCS, RPD	8/4/2015	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	23	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Butyl benzyl phthalate	n/a	=	13.8	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Butyl benzyl phthalate	n/a	=	55	%	EPA 625	-88	-88	0.1	152	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Butyl benzyl phthalate	n/a	=	13.3	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Butyl benzyl phthalate	n/a	=	53	%	EPA 625	-88	-88	0.1	152	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Butyl benzyl phthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Butyl benzyl phthalate	n/a	=	23	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Butyl benzyl phthalate	n/a	=	92	%	EPA 625	-88	-88	0.1	152	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Butyl benzyl phthalate	n/a	=	21.3	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Butyl benzyl phthalate	n/a	=	85	%	EPA 625	-88	-88	0.1	152	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Butyl benzyl phthalate	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Butyl benzyl phthalate	n/a	DNQ	0.28	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Butyl benzyl phthalate	n/a	=	22.1	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Butyl benzyl phthalate	n/a	=	88	%	EPA 625	-88	-88	0.1	152	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Butyl benzyl phthalate	n/a	=	24	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Butyl benzyl phthalate	n/a	=	96	%	EPA 625	-88	-88	0.1	152	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Butyl benzyl phthalate	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Chrysene	n/a	=	20.8	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Chrysene	n/a	=	83	%	EPA 625	-88	-88	17	168	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Chrysene	n/a	=	21.5	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Chrysene	n/a	=	86	%	EPA 625	-88	-88	17	168	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Chrysene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Chrysene	n/a	=	8.43	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Chrysene	n/a	=	84	%	EPA 8270Cm	-88	-88	32	126	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Chrysene	n/a	=	8.27	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Chrysene	n/a	=	83	%	EPA 8270Cm	-88	-88	32	126	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Chrysene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Chrysene	n/a	=	25.1	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Chrysene	n/a	=	101	%	EPA 625	-88	-88	17	168	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Chrysene	n/a	=	21.5	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Chrysene	n/a	=	86	%	EPA 625	-88	-88	17	168	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Chrysene	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Chrysene	n/a	=	23.8	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Chrysene	n/a	=	95	%	EPA 625	-88	-88	17	168	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Chrysene	n/a	=	24.8	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Chrysene	n/a	=	99	%	EPA 625	-88	-88	17	168	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Chrysene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Chrysene	n/a	=	8.91	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Chrysene	n/a	=	89	%	EPA 8270Cm	-88	-88	32	126	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Chrysene	n/a	=	9.25	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Chrysene	n/a	=	92	%	EPA 8270Cm	-88	-88	32	126	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Chrysene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Chrysene	n/a	=	8.28	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Chrysene	n/a	=	83	%	EPA 8270Cm	-88	-88	32	126	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Chrysene	n/a	=	8.55	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Chrysene	n/a	=	85	%	EPA 8270Cm	-88	-88	32	126	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Chrysene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-6	Lab	LCS	6/30/2015	Organic	Dibenz(a,h)anthracene	n/a	=	17.2	µg/L	EPA 625	0.08	2			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Dibenz(a,h)anthracene	n/a	=	69	%	EPA 625	-88	-88	0.1	227	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Dibenz(a,h)anthracene	n/a	=	19	µg/L	EPA 625	0.08	2			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Dibenz(a,h)anthracene	n/a	=	76	%	EPA 625	-88	-88	0.1	227	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Dibenz(a,h)anthracene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Dibenz(a,h)anthracene	n/a	=	8.4	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Dibenz(a,h)anthracene	n/a	=	84	%	EPA 8270Cm	-88	-88	9	147	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Dibenz(a,h)anthracene	n/a	=	8.28	µg/L	EPA 8270Cm	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Dibenz(a,h)anthracene	n/a	=	83	%	EPA 8270Cm	-88	-88	9	147	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Dibenz(a,h)anthracene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-6	Lab	LCS	7/10/2015	Organic	Dibenz(a,h)anthracene	n/a	=	18.2	µg/L	EPA 625	0.08	2			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Dibenz(a,h)anthracene	n/a	=	73	%	EPA 625	-88	-88	0.1	227	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Dibenz(a,h)anthracene	n/a	=	15.5	µg/L	EPA 625	0.08	2			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Dibenz(a,h)anthracene	n/a	=	62	%	EPA 625	-88	-88	0.1	227	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Dibenz(a,h)anthracene	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-6	Lab	LCS	7/14/2015	Organic	Dibenz(a,h)anthracene	n/a	=	13.7	µg/L	EPA 625	0.08	2			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Dibenz(a,h)anthracene	n/a	=	55	%	EPA 625	-88	-88	0.1	227	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Dibenz(a,h)anthracene	n/a	=	14.5	µg/L	EPA 625	0.08	2			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Dibenz(a,h)anthracene	n/a	=	58	%	EPA 625	-88	-88	0.1	227	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Dibenz(a,h)anthracene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Dibenz(a,h)anthracene	n/a	=	9.71	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Dibenz(a,h)anthracene	n/a	=	97	%	EPA 8270Cm	-88	-88	9	147	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Dibenz(a,h)anthracene	n/a	=	10.4	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Dibenz(a,h)anthracene	n/a	=	104	%	EPA 8270Cm	-88	-88	9	147	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Dibenz(a,h)anthracene	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Dibenz(a,h)anthracene	n/a	=	8.81	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Dibenz(a,h)anthracene	n/a	=	88	%	EPA 8270Cm	-88	-88	9	147	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Dibenz(a,h)anthracene	n/a	=	9.15	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Dibenz(a,h)anthracene	n/a	=	91	%	EPA 8270Cm	-88	-88	9	147	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Dibenz(a,h)anthracene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Diethyl phthalate	n/a	DNQ	0.17	µg/L	EPA 625	0.15	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Diethyl phthalate	n/a	=	17.7	µg/L	EPA 625	0.15	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Diethyl phthalate	n/a	=	71	%	EPA 625	-88	-88	0.1	114	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Diethyl phthalate	n/a	=	18.2	µg/L	EPA 625	0.15	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Diethyl phthalate	n/a	=	73	%	EPA 625	-88	-88	0.1	114	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Diethyl phthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Diethyl phthalate	n/a	=	21.9	µg/L	EPA 625	0.15	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Diethyl phthalate	n/a	=	87	%	EPA 625	-88	-88	0.1	114	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Diethyl phthalate	n/a	=	18.3	µg/L	EPA 625	0.15	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Diethyl phthalate	n/a	=	73	%	EPA 625	-88	-88	0.1	114	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Diethyl phthalate	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Diethyl phthalate	n/a	=	20.5	µg/L	EPA 625	0.15	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Diethyl phthalate	n/a	=	82	%	EPA 625	-88	-88	0.1	114	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Diethyl phthalate	n/a	=	21.8	µg/L	EPA 625	0.15	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Diethyl phthalate	n/a	=	87	%	EPA 625	-88	-88	0.1	114	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Diethyl phthalate	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Dimethyl phthalate	n/a	=	18.2	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Dimethyl phthalate	n/a	=	73	%	EPA 625	-88	-88	0.1	112	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Dimethyl phthalate	n/a	=	18.3	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Dimethyl phthalate	n/a	=	73	%	EPA 625	-88	-88	0.1	112	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Dimethyl phthalate	n/a	=	0.5	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Dimethyl phthalate	n/a	=	22	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Dimethyl phthalate	n/a	=	88	%	EPA 625	-88	-88	0.1	112	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Dimethyl phthalate	n/a	=	17.6	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Dimethyl phthalate	n/a	=	70	%	EPA 625	-88	-88	0.1	112	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Dimethyl phthalate	n/a	=	22	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Dimethyl phthalate	n/a	=	20.2	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Dimethyl phthalate	n/a	=	81	%	EPA 625	-88	-88	0.1	112	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Dimethyl phthalate	n/a	=	21.9	µg/L	EPA 625	0.18	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Dimethyl phthalate	n/a	=	88	%	EPA 625	-88	-88	0.1	112	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Dimethyl phthalate	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Di-n-butylphthalate	n/a	=	20.5	µg/L	EPA 625	0.24	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Di-n-butylphthalate	n/a	=	82	%	EPA 625	-88	-88	1	118	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Di-n-butylphthalate	n/a	=	21.2	µg/L	EPA 625	0.24	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Di-n-butylphthalate	n/a	=	85	%	EPA 625	-88	-88	1	118	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Di-n-butylphthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Di-n-butylphthalate	n/a	=	24.3	µg/L	EPA 625	0.24	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Di-n-butylphthalate	n/a	=	97	%	EPA 625	-88	-88	1	118	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Di-n-butylphthalate	n/a	=	20.6	µg/L	EPA 625	0.24	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Di-n-butylphthalate	n/a	=	82	%	EPA 625	-88	-88	1	118	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Di-n-butylphthalate	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Di-n-butylphthalate	n/a	=	23.6	µg/L	EPA 625	0.24	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Di-n-butylphthalate	n/a	=	94	%	EPA 625	-88	-88	1	118	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Di-n-butylphthalate	n/a	=	24.6	µg/L	EPA 625	0.24	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Di-n-butylphthalate	n/a	=	98	%	EPA 625	-88	-88	1	118	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Di-n-butylphthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Di-n-octylphthalate	n/a	=	25	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Di-n-octylphthalate	n/a	=	100	%	EPA 625	-88	-88	4	146	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Di-n-octylphthalate	n/a	=	25.3	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Di-n-octylphthalate	n/a	=	101	%	EPA 625	-88	-88	4	146	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Di-n-octylphthalate	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Di-n-octylphthalate	n/a	=	24.6	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Di-n-octylphthalate	n/a	=	98	%	EPA 625	-88	-88	4	146	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Di-n-octylphthalate	n/a	=	20.7	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Di-n-octylphthalate	n/a	=	83	%	EPA 625	-88	-88	4	146	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Di-n-octylphthalate	n/a	=	17	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Di-n-octylphthalate	n/a	=	22.8	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Di-n-octylphthalate	n/a	=	91	%	EPA 625	-88	-88	4	146	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Di-n-octylphthalate	n/a	=	24.2	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Di-n-octylphthalate	n/a	=	97	%	EPA 625	-88	-88	4	146	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Di-n-octylphthalate	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Fluoranthene	n/a	=	17.8	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Fluoranthene	n/a	=	71	%	EPA 625	-88	-88	26	137	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Fluoranthene	n/a	=	18	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Fluoranthene	n/a	=	72	%	EPA 625	-88	-88	26	137	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Fluoranthene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Fluoranthene	n/a	=	9.31	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Fluoranthene	n/a	=	93	%	EPA 8270Cm	-88	-88	22	131	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Fluoranthene	n/a	=	8.95	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Fluoranthene	n/a	=	90	%	EPA 8270Cm	-88	-88	22	131	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Fluoranthene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Fluoranthene	n/a	=	23.3	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Fluoranthene	n/a	=	93	%	EPA 625	-88	-88	26	137	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Fluoranthene	n/a	=	20.5	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Fluoranthene	n/a	=	82	%	EPA 625	-88	-88	26	137	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Fluoranthene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Fluoranthene	n/a	=	22.7	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Fluoranthene	n/a	=	91	%	EPA 625	-88	-88	26	137	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Fluoranthene	n/a	=	23.4	µg/L	EPA 625	0.22	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Fluoranthene	n/a	=	94	%	EPA 625	-88	-88	26	137	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Fluoranthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Fluoranthene	n/a	=	10.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Fluoranthene	n/a	=	101	%	EPA 8270Cm	-88	-88	22	131	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Fluoranthene	n/a	=	10.5	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Fluoranthene	n/a	=	105	%	EPA 8270Cm	-88	-88	22	131	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Fluoranthene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Fluoranthene	n/a	=	9.09	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Fluoranthene	n/a	=	91	%	EPA 8270Cm	-88	-88	22	131	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Fluoranthene	n/a	=	9.51	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Fluoranthene	n/a	=	95	%	EPA 8270Cm	-88	-88	22	131	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Fluoranthene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Fluorene	n/a	=	19.5	µg/L	EPA 625	0.35	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Fluorene	n/a	=	78	%	EPA 625	-88	-88	59	121	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Fluorene	n/a	=	19.7	µg/L	EPA 625	0.35	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Fluorene	n/a	=	79	%	EPA 625	-88	-88	59	121	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Fluorene	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	7/7/2015	Organic	Fluorene	n/a	=	9.18	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Fluorene	n/a	=	92	%	EPA 8270Cm	-88	-88	19	122	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Fluorene	n/a	=	8.09	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Fluorene	n/a	=	81	%	EPA 8270Cm	-88	-88	19	122	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Fluorene	n/a	=	13	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Fluorene	n/a	=	22	µg/L	EPA 625	0.35	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Fluorene	n/a	=	88	%	EPA 625	-88	-88	59	121	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Fluorene	n/a	=	17.2	µg/L	EPA 625	0.35	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Fluorene	n/a	=	69	%	EPA 625	-88	-88	59	121	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Fluorene	n/a	=	24	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Fluorene	n/a	=	19.2	µg/L	EPA 625	0.35	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Fluorene	n/a	=	77	%	EPA 625	-88	-88	59	121	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Fluorene	n/a	=	21.1	µg/L	EPA 625	0.35	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Fluorene	n/a	=	84	%	EPA 625	-88	-88	59	121	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Fluorene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Fluorene	n/a	=	9.03	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Fluorene	n/a	=	90	%	EPA 8270Cm	-88	-88	19	122	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Fluorene	n/a	=	9.47	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Fluorene	n/a	=	95	%	EPA 8270Cm	-88	-88	19	122	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Fluorene	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Fluorene	n/a	=	8.56	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Fluorene	n/a	=	86	%	EPA 8270Cm	-88	-88	19	122	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Fluorene	n/a	=	8.25	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Fluorene	n/a	=	82	%	EPA 8270Cm	-88	-88	19	122	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Fluorene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Hexachlorobenzene	n/a	=	15.3	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Hexachlorobenzene	n/a	=	61	%	EPA 625	-88	-88	0.1	152	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Hexachlorobenzene	n/a	=	15.9	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Hexachlorobenzene	n/a	=	64	%	EPA 625	-88	-88	0.1	152	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Hexachlorobenzene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Hexachlorobenzene	n/a	=	18.5	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Hexachlorobenzene	n/a	=	74	%	EPA 625	-88	-88	0.1	152	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Hexachlorobenzene	n/a	=	15.4	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Hexachlorobenzene	n/a	=	62	%	EPA 625	-88	-88	0.1	152	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Hexachlorobenzene	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Hexachlorobenzene	n/a	=	16.9	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Hexachlorobenzene	n/a	=	68	%	EPA 625	-88	-88	0.1	152	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Hexachlorobenzene	n/a	=	18	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Hexachlorobenzene	n/a	=	72	%	EPA 625	-88	-88	0.1	152	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Hexachlorobenzene	n/a	=	6	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	6/30/2015	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Hexachlorobutadiene	n/a	=	14.9	µg/L	EPA 625	0.47	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Hexachlorobutadiene	n/a	=	60	%	EPA 625	-88	-88	24	116	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Hexachlorobutadiene	n/a	=	14.7	µg/L	EPA 625	0.47	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Hexachlorobutadiene	n/a	=	59	%	EPA 625	-88	-88	24	116	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Hexachlorobutadiene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Hexachlorobutadiene	n/a	=	19.3	µg/L	EPA 625	0.47	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Hexachlorobutadiene	n/a	=	77	%	EPA 625	-88	-88	24	116	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Hexachlorobutadiene	n/a	=	15.2	µg/L	EPA 625	0.47	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Hexachlorobutadiene	n/a	=	61	%	EPA 625	-88	-88	24	116	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Hexachlorobutadiene	n/a	=	24	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Hexachlorobutadiene	n/a	=	15.8	µg/L	EPA 625	0.47	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Hexachlorobutadiene	n/a	=	63	%	EPA 625	-88	-88	24	116	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Hexachlorobutadiene	n/a	=	18.1	µg/L	EPA 625	0.47	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Hexachlorobutadiene	n/a	=	72	%	EPA 625	-88	-88	24	116	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Hexachlorobutadiene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-6	Lab	LCS	6/30/2015	Organic	Hexachlorocyclopentadiene	n/a	=	6.55	µg/L	EPA 625	1.5	5			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Hexachlorocyclopentadiene	n/a	=	26	%	EPA 625	-88	-88	0.1	81	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Hexachlorocyclopentadiene	n/a	=	6.2	µg/L	EPA 625	1.5	5			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Hexachlorocyclopentadiene	n/a	=	25	%	EPA 625	-88	-88	0.1	81	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Hexachlorocyclopentadiene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-6	Lab	LCS	7/10/2015	Organic	Hexachlorocyclopentadiene	n/a	=	13.5	µg/L	EPA 625	1.5	5			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Hexachlorocyclopentadiene	n/a	=	54	%	EPA 625	-88	-88	0.1	81	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Hexachlorocyclopentadiene	n/a	=	9.82	µg/L	EPA 625	1.5	5			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Hexachlorocyclopentadiene	n/a	=	39	%	EPA 625	-88	-88	0.1	81	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Hexachlorocyclopentadiene	n/a	=	32	%	EPA 625	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/14/2015	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-6	Lab	LCS	7/14/2015	Organic	Hexachlorocyclopentadiene	n/a	=	9.14	µg/L	EPA 625	1.5	5			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Hexachlorocyclopentadiene	n/a	=	37	%	EPA 625	-88	-88	0.1	81	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Hexachlorocyclopentadiene	n/a	=	10.4	µg/L	EPA 625	1.5	5			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Hexachlorocyclopentadiene	n/a	=	41	%	EPA 625	-88	-88	0.1	81	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Hexachlorocyclopentadiene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Hexachloroethane	n/a	=	13.5	µg/L	EPA 625	0.52	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Hexachloroethane	n/a	=	54	%	EPA 625	-88	-88	40	113	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Hexachloroethane	n/a	=	13.9	µg/L	EPA 625	0.52	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Hexachloroethane	n/a	=	56	%	EPA 625	-88	-88	40	113	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Hexachloroethane	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Hexachloroethane	n/a	=	19.7	µg/L	EPA 625	0.52	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Hexachloroethane	n/a	=	79	%	EPA 625	-88	-88	40	113	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Hexachloroethane	n/a	=	14.4	µg/L	EPA 625	0.52	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Hexachloroethane	n/a	=	58	%	EPA 625	-88	-88	40	113	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Hexachloroethane	n/a	=	31	%	EPA 625	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/14/2015	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Hexachloroethane	n/a	=	15.4	µg/L	EPA 625	0.52	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Hexachloroethane	n/a	=	61	%	EPA 625	-88	-88	40	113	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Hexachloroethane	n/a	=	17.7	µg/L	EPA 625	0.52	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Hexachloroethane	n/a	=	71	%	EPA 625	-88	-88	40	113	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Hexachloroethane	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-6	Lab	LCS	6/30/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	16.7	µg/L	EPA 625	0.12	2			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	67	%	EPA 625	-88	-88	0.1	171	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	17.7	µg/L	EPA 625	0.12	2			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	71	%	EPA 625	-88	-88	0.1	171	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.43	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	84	%	EPA 8270Cm	-88	-88	12	136	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.33	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	83	%	EPA 8270Cm	-88	-88	12	136	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	1	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-6	Lab	LCS	7/10/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	17	µg/L	EPA 625	0.12	2			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	68	%	EPA 625	-88	-88	0.1	171	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	14.6	µg/L	EPA 625	0.12	2			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	58	%	EPA 625	-88	-88	0.1	171	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-6	Lab	LCS	7/14/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	13.2	µg/L	EPA 625	0.12	2			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	53	%	EPA 625	-88	-88	0.1	171	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	13.1	µg/L	EPA 625	0.12	2			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	52	%	EPA 625	-88	-88	0.1	171	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.11	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	91	%	EPA 8270Cm	-88	-88	12	136	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	9.78	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	98	%	EPA 8270Cm	-88	-88	12	136	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	7.93	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	79	%	EPA 8270Cm	-88	-88	12	136	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	8.18	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	82	%	EPA 8270Cm	-88	-88	12	136	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	3	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Isophorone	n/a	=	18.6	µg/L	EPA 625	0.21	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Isophorone	n/a	=	74	%	EPA 625	-88	-88	21	196	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Isophorone	n/a	=	18.2	µg/L	EPA 625	0.21	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Isophorone	n/a	=	73	%	EPA 625	-88	-88	21	196	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Isophorone	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Isophorone	n/a	=	20.9	µg/L	EPA 625	0.21	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Isophorone	n/a	=	83	%	EPA 625	-88	-88	21	196	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Isophorone	n/a	=	16.4	µg/L	EPA 625	0.21	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Isophorone	n/a	=	66	%	EPA 625	-88	-88	21	196	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Isophorone	n/a	=	24	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Isophorone	n/a	=	18	µg/L	EPA 625	0.21	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Isophorone	n/a	=	72	%	EPA 625	-88	-88	21	196	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Isophorone	n/a	=	19.8	µg/L	EPA 625	0.21	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Isophorone	n/a	=	79	%	EPA 625	-88	-88	21	196	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Isophorone	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	LCS	6/24/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	52.8	µg/L	EPA 624	0.25	1			
2014/15-6	Lab	LCS, rec	6/24/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	106	%	EPA 624	-88	-88	80	128	
2014/15-6	Lab	LCS dup	6/24/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	54.7	µg/L	EPA 624	0.25	1			
2014/15-6	Lab	LCS dup, rec	6/24/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	109	%	EPA 624	-88	-88	80	128	
2014/15-6	Lab	LCS, RPD	6/24/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	3	%	EPA 624	-88	-88	0	25	
2014/15-6	Lab	method blank	6/24/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2014/15-6	Lab	LCS	7/6/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	56.1	µg/L	EPA 624	0.25	1			
2014/15-6	Lab	LCS, rec	7/6/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	112	%	EPA 624	-88	-88	80	128	
2014/15-6	Lab	LCS dup	7/6/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	55.8	µg/L	EPA 624	0.25	1			
2014/15-6	Lab	LCS dup, rec	7/6/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	112	%	EPA 624	-88	-88	80	128	
2014/15-6	Lab	LCS, RPD	7/6/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	0.7	%	EPA 624	-88	-88	0	25	
2014/15-6	Lab	method blank	7/6/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2014/15-6	Lab	LCS	7/8/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	53.8	µg/L	EPA 624	0.25	1			
2014/15-6	Lab	LCS, rec	7/8/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	108	%	EPA 624	-88	-88	80	128	
2014/15-6	Lab	LCS dup	7/8/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	54.2	µg/L	EPA 624	0.25	1			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	108	%	EPA 624	-88	-88	80	128	
2014/15-6	Lab	LCS, RPD	7/8/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	0.7	%	EPA 624	-88	-88	0	25	
2014/15-6	Lab	method blank	7/8/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2014/15-6	ME-CC	matrix spike	7/8/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	56.4	µg/L	EPA 624	0.25	1			
2014/15-6	ME-CC	matrix spike, rec	7/8/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	113	%	EPA 624	-88	-88	80	128	
2014/15-6	ME-CC	matrix spike dup	7/9/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	55.6	µg/L	EPA 624	0.25	1			
2014/15-6	ME-CC	matrix spike dup, rec	7/9/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	111	%	EPA 624	-88	-88	80	128	
2014/15-6	ME-CC	matrix spike, RPD	7/9/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	1	%	EPA 624	-88	-88	0	25	
2014/15-6	ME-VR2	matrix spike	6/24/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	55.4	µg/L	EPA 624	0.25	1			
2014/15-6	ME-VR2	matrix spike, rec	6/24/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	111	%	EPA 624	-88	-88	80	128	
2014/15-6	ME-VR2	matrix spike dup	6/24/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	55.1	µg/L	EPA 624	0.25	1			
2014/15-6	ME-VR2	matrix spike dup, rec	6/24/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	110	%	EPA 624	-88	-88	80	128	
2014/15-6	ME-VR2	matrix spike, RPD	6/24/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	=	0.4	%	EPA 624	-88	-88	0	25	
2014/15-6	MO-THO	field duplicate	7/8/2015	Organic	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1			
2014/15-6	Lab	method blank	6/30/2015	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Naphthalene	n/a	=	17.9	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Naphthalene	n/a	=	72	%	EPA 625	-88	-88	21	133	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Naphthalene	n/a	=	17.5	µg/L	EPA 625	0.49	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Naphthalene	n/a	=	70	%	EPA 625	-88	-88	21	133	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Naphthalene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Naphthalene	n/a	=	8.07	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Naphthalene	n/a	=	81	%	EPA 8270Cm	-88	-88	12	136	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Naphthalene	n/a	=	6.8	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Naphthalene	n/a	=	68	%	EPA 8270Cm	-88	-88	12	136	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Naphthalene	n/a	=	17	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Naphthalene	n/a	=	20.5	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Naphthalene	n/a	=	82	%	EPA 625	-88	-88	21	133	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Naphthalene	n/a	=	15.6	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Naphthalene	n/a	=	63	%	EPA 625	-88	-88	21	133	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Naphthalene	n/a	=	27	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Naphthalene	n/a	=	17	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Naphthalene	n/a	=	68	%	EPA 625	-88	-88	21	133	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Naphthalene	n/a	=	19	µg/L	EPA 625	0.49	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Naphthalene	n/a	=	76	%	EPA 625	-88	-88	21	133	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Naphthalene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Naphthalene	n/a	=	7.25	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Naphthalene	n/a	=	72	%	EPA 8270Cm	-88	-88	12	136	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Naphthalene	n/a	=	7.78	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Naphthalene	n/a	=	78	%	EPA 8270Cm	-88	-88	12	136	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Naphthalene	n/a	=	7	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Naphthalene	n/a	=	7.09	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Naphthalene	n/a	=	71	%	EPA 8270Cm	-88	-88	12	136	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Naphthalene	n/a	=	6.95	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Naphthalene	n/a	=	70	%	EPA 8270Cm	-88	-88	12	136	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Naphthalene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Nitrobenzene	n/a	=	18	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Nitrobenzene	n/a	=	72	%	EPA 625	-88	-88	35	180	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Nitrobenzene	n/a	=	17.8	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Nitrobenzene	n/a	=	71	%	EPA 625	-88	-88	35	180	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Nitrobenzene	n/a	=	0.9	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Nitrobenzene	n/a	=	20.8	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Nitrobenzene	n/a	=	83	%	EPA 625	-88	-88	35	180	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Nitrobenzene	n/a	=	15.5	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Nitrobenzene	n/a	=	62	%	EPA 625	-88	-88	35	180	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Nitrobenzene	n/a	=	29	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Nitrobenzene	n/a	=	17.5	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Nitrobenzene	n/a	=	70	%	EPA 625	-88	-88	35	180	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Nitrobenzene	n/a	=	19.2	µg/L	EPA 625	0.36	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Nitrobenzene	n/a	=	77	%	EPA 625	-88	-88	35	180	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Nitrobenzene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	srgt method blank	6/30/2015	Organic	Nitrobenzene-d5	n/a	=	21.3	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/30/2015	Organic	Nitrobenzene-d5	n/a	=	85	%	EPA 625	-88	-88	27	111	
2014/15-6	Lab	srgt LCS	6/30/2015	Organic	Nitrobenzene-d5	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/30/2015	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 625	-88	-88	27	111	
2014/15-6	Lab	srgt LCS dup	6/30/2015	Organic	Nitrobenzene-d5	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/30/2015	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625	-88	-88	27	111	
2014/15-6	Lab	srgt method blank	7/7/2015	Organic	Nitrobenzene-d5	n/a	=	4.38	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/7/2015	Organic	Nitrobenzene-d5	n/a	=	88	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	Lab	srgt LCS	7/7/2015	Organic	Nitrobenzene-d5	n/a	=	4.02	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/7/2015	Organic	Nitrobenzene-d5	n/a	=	80	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	Lab	srgt LCS dup	7/7/2015	Organic	Nitrobenzene-d5	n/a	=	3.43	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/7/2015	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	Lab	srgt method blank	7/10/2015	Organic	Nitrobenzene-d5	n/a	=	22.9	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/10/2015	Organic	Nitrobenzene-d5	n/a	=	92	%	EPA 625	-88	-88	27	111	
2014/15-6	Lab	srgt LCS	7/10/2015	Organic	Nitrobenzene-d5	n/a	=	22.1	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/10/2015	Organic	Nitrobenzene-d5	n/a	=	88	%	EPA 625	-88	-88	27	111	
2014/15-6	Lab	srgt LCS dup	7/10/2015	Organic	Nitrobenzene-d5	n/a	=	17	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/10/2015	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 625	-88	-88	27	111	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	23.4	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	94	%	EPA 625	-88	-88	27	111	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	18.7	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 625	-88	-88	27	111	
2014/15-6	Lab	srgt LCS dup	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	20.4	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	82	%	EPA 625	-88	-88	27	111	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	3.73	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	75	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	3.82	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	Lab	srgt LCS dup	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	3.94	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	79	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	Lab	srgt method blank	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	4.3	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	86	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	Lab	srgt LCS	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	3.65	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	Lab	srgt LCS dup	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	3.6	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	ME-CC	srgt environ	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	22.5	µg/L	EPA 625	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	90	%	EPA 625	-88	-88	27	111	
2014/15-6	ME-CC	srgt environ	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	4.8	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	96	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	ME-SCR	srgt environ	7/10/2015	Organic	Nitrobenzene-d5	n/a	=	17.1	µg/L	EPA 625	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/10/2015	Organic	Nitrobenzene-d5	n/a	=	68	%	EPA 625	-88	-88	27	111	
2014/15-6	ME-SCR	srgt environ	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	3.58	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 8270Cm	-88	-88	51	143	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	ME-VR2	srgt environ	7/1/2015	Organic	Nitrobenzene-d5	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/1/2015	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2014/15-6	ME-VR2	srgt environ	7/7/2015	Organic	Nitrobenzene-d5	n/a	=	5.35	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/7/2015	Organic	Nitrobenzene-d5	n/a	=	107	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	MO-CAM	srgt environ	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	22	µg/L	EPA 625	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	88	%	EPA 625	-88	-88	27	111	
2014/15-6	MO-CAM	srgt environ	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	3.78	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	76	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	MO-FIL	srgt environ	7/10/2015	Organic	Nitrobenzene-d5	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/10/2015	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	27	111	
2014/15-6	MO-FIL	srgt environ	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	3.59	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	MO-HUE	srgt environ	7/10/2015	Organic	Nitrobenzene-d5	n/a	=	17.2	µg/L	EPA 625	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/10/2015	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 625	-88	-88	27	111	
2014/15-6	MO-HUE	srgt environ	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	3.45	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	69	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	MO-SIM	srgt environ	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	19.5	µg/L	EPA 625	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	78	%	EPA 625	-88	-88	27	111	
2014/15-6	MO-SIM	srgt environ	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	4.15	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	83	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	MO-THO	srgt environ	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	23.2	µg/L	EPA 625	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/14/2015	Organic	Nitrobenzene-d5	n/a	=	93	%	EPA 625	-88	-88	27	111	
2014/15-6	MO-THO	srgt environ	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	4.36	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/15/2015	Organic	Nitrobenzene-d5	n/a	=	87	%	EPA 8270Cm	-88	-88	51	143	
2014/15-6	Lab	method blank	6/30/2015	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	N-Nitrosodimethylamine	n/a	=	12	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	N-Nitrosodimethylamine	n/a	=	48	%	EPA 625	-88	-88	15	59	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	N-Nitrosodimethylamine	n/a	=	12.3	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	N-Nitrosodimethylamine	n/a	=	49	%	EPA 625	-88	-88	15	59	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	N-Nitrosodimethylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	N-Nitrosodimethylamine	n/a	=	13	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	N-Nitrosodimethylamine	n/a	=	52	%	EPA 625	-88	-88	15	59	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	N-Nitrosodimethylamine	n/a	=	9.85	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	N-Nitrosodimethylamine	n/a	=	39	%	EPA 625	-88	-88	15	59	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	N-Nitrosodimethylamine	n/a	=	28	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	N-Nitrosodimethylamine	n/a	=	11.3	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	N-Nitrosodimethylamine	n/a	=	45	%	EPA 625	-88	-88	15	59	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	N-Nitrosodimethylamine	n/a	=	12	µg/L	EPA 625	0.14	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	N-Nitrosodimethylamine	n/a	=	48	%	EPA 625	-88	-88	15	59	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	N-Nitrosodimethylamine	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.2	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	81	%	EPA 625	-88	-88	0.1	230	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	19.6	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	78	%	EPA 625	-88	-88	0.1	230	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	24.8	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	99	%	EPA 625	-88	-88	0.1	230	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	17.7	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	71	%	EPA 625	-88	-88	0.1	230	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	33	%	EPA 625	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/14/2015	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	20.2	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	81	%	EPA 625	-88	-88	0.1	230	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	22.7	µg/L	EPA 625	0.26	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	91	%	EPA 625	-88	-88	0.1	230	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	N-Nitrosodi-N-propylamine	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	N-Nitrosodiphenylamine	n/a	=	17.4	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	N-Nitrosodiphenylamine	n/a	=	69	%	EPA 625	-88	-88	42	90	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	N-Nitrosodiphenylamine	n/a	=	18	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	N-Nitrosodiphenylamine	n/a	=	72	%	EPA 625	-88	-88	42	90	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	N-Nitrosodiphenylamine	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	N-Nitrosodiphenylamine	n/a	=	18.7	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	N-Nitrosodiphenylamine	n/a	=	75	%	EPA 625	-88	-88	42	90	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	N-Nitrosodiphenylamine	n/a	=	15.1	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	N-Nitrosodiphenylamine	n/a	=	60	%	EPA 625	-88	-88	42	90	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	N-Nitrosodiphenylamine	n/a	=	21	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	N-Nitrosodiphenylamine	n/a	=	17	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	N-Nitrosodiphenylamine	n/a	=	68	%	EPA 625	-88	-88	42	90	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	N-Nitrosodiphenylamine	n/a	=	17.9	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	N-Nitrosodiphenylamine	n/a	=	72	%	EPA 625	-88	-88	42	90	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	N-Nitrosodiphenylamine	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	srgt method blank	6/29/2015	Organic	Perylene-d12	n/a	=	4.9	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/29/2015	Organic	Perylene-d12	n/a	=	98	%	EPA 525.2	-88	-88	30	118	
2014/15-6	Lab	srgt LCS	6/29/2015	Organic	Perylene-d12	n/a	=	4.88	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/29/2015	Organic	Perylene-d12	n/a	=	98	%	EPA 525.2	-88	-88	30	118	
2014/15-6	Lab	srgt LCS dup	6/29/2015	Organic	Perylene-d12	n/a	=	5.41	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/29/2015	Organic	Perylene-d12	n/a	=	108	%	EPA 525.2	-88	-88	30	118	
2014/15-6	Lab	srgt method blank	7/11/2015	Organic	Perylene-d12	n/a	=	4.01	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/11/2015	Organic	Perylene-d12	n/a	=	80	%	EPA 525.2	-88	-88	30	118	
2014/15-6	Lab	srgt LCS dup	7/11/2015	Organic	Perylene-d12	n/a	=	5.31	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/11/2015	Organic	Perylene-d12	n/a	=	106	%	EPA 525.2	-88	-88	30	118	
2014/15-6	Lab	srgt LCS	7/11/2015	Organic	Perylene-d12	n/a	=	5.56	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/11/2015	Organic	Perylene-d12	n/a	=	111	%	EPA 525.2	-88	-88	30	118	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	Perylene-d12	n/a	=	5.42	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	Perylene-d12	n/a	=	108	%	EPA 525.2	-88	-88	30	118	
2014/15-6	Lab	srgt LCS dup	7/14/2015	Organic	Perylene-d12	n/a	=	5.77	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/14/2015	Organic	Perylene-d12	n/a	=	115	%	EPA 525.2	-88	-88	30	118	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	Perylene-d12	n/a	=	6.19	µg/L	EPA 525.2	-88	-88			GN
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	Perylene-d12	n/a	=	124	%	EPA 525.2	-88	-88	30	118	GN
2014/15-6	Lab	srgt method blank	8/3/2015	Organic	Perylene-d12	n/a	=	4.18	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt method blank, rec	8/3/2015	Organic	Perylene-d12	n/a	=	84	%	EPA 525.2	-88	-88	30	118	
2014/15-6	Lab	srgt LCS	8/3/2015	Organic	Perylene-d12	n/a	=	7.05	µg/L	EPA 525.2	-88	-88			GN
2014/15-6	Lab	srgt LCS, rec	8/3/2015	Organic	Perylene-d12	n/a	=	141	%	EPA 525.2	-88	-88	30	118	GN
2014/15-6	Lab	srgt LCS dup	8/4/2015	Organic	Perylene-d12	n/a	=	5.91	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	8/4/2015	Organic	Perylene-d12	n/a	=	118	%	EPA 525.2	-88	-88	30	118	
2014/15-6	ME-CC	srgt environ	7/14/2015	Organic	Perylene-d12	n/a	=	4.39	µg/L	EPA 525.2	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/14/2015	Organic	Perylene-d12	n/a	=	88	%	EPA 525.2	-88	-88	30	118	
2014/15-6	ME-CC	srgt environ	8/4/2015	Organic	Perylene-d12	n/a	=	4.75	µg/L	EPA 525.2	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	8/4/2015	Organic	Perylene-d12	n/a	=	95	%	EPA 525.2	-88	-88	30	118	
2014/15-6	ME-SCR	srgt environ	7/11/2015	Organic	Perylene-d12	n/a	=	3.51	µg/L	EPA 525.2	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/11/2015	Organic	Perylene-d12	n/a	=	70	%	EPA 525.2	-88	-88	30	118	
2014/15-6	ME-VR2	srgt environ	6/30/2015	Organic	Perylene-d12	n/a	=	2.87	µg/L	EPA 525.2	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	6/30/2015	Organic	Perylene-d12	n/a	=	57	%	EPA 525.2	-88	-88	30	118	
2014/15-6	MO-CAM	srgt environ	7/14/2015	Organic	Perylene-d12	n/a	=	1.73	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/14/2015	Organic	Perylene-d12	n/a	=	35	%	EPA 525.2	-88	-88	30	118	
2014/15-6	MO-FIL	srgt environ	7/11/2015	Organic	Perylene-d12	n/a	=	4.06	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/11/2015	Organic	Perylene-d12	n/a	=	81	%	EPA 525.2	-88	-88	30	118	
2014/15-6	MO-HUE	srgt environ	7/11/2015	Organic	Perylene-d12	n/a	=	3.43	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/11/2015	Organic	Perylene-d12	n/a	=	69	%	EPA 525.2	-88	-88	30	118	
2014/15-6	MO-SIM	srgt environ	7/14/2015	Organic	Perylene-d12	n/a	=	3.68	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/14/2015	Organic	Perylene-d12	n/a	=	74	%	EPA 525.2	-88	-88	30	118	
2014/15-6	MO-THO	srgt environ	7/14/2015	Organic	Perylene-d12	n/a	=	4.49	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/14/2015	Organic	Perylene-d12	n/a	=	90	%	EPA 525.2	-88	-88	30	118	
2014/15-6	Lab	method blank	6/30/2015	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Phenanthrene	n/a	=	21.1	µg/L	EPA 625	0.32	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Phenanthrene	n/a	=	84	%	EPA 625	-88	-88	54	120	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Phenanthrene	n/a	=	21.5	µg/L	EPA 625	0.32	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Phenanthrene	n/a	=	86	%	EPA 625	-88	-88	54	120	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Phenanthrene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Phenanthrene	n/a	=	8.68	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Phenanthrene	n/a	=	87	%	EPA 8270Cm	-88	-88	21	131	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Phenanthrene	n/a	=	8.17	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Phenanthrene	n/a	=	82	%	EPA 8270Cm	-88	-88	21	131	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Phenanthrene	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Phenanthrene	n/a	=	23.6	µg/L	EPA 625	0.32	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Phenanthrene	n/a	=	94	%	EPA 625	-88	-88	54	120	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Phenanthrene	n/a	=	19.6	µg/L	EPA 625	0.32	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Phenanthrene	n/a	=	79	%	EPA 625	-88	-88	54	120	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Phenanthrene	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Phenanthrene	n/a	=	22.5	µg/L	EPA 625	0.32	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Phenanthrene	n/a	=	90	%	EPA 625	-88	-88	54	120	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Phenanthrene	n/a	=	23.4	µg/L	EPA 625	0.32	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Phenanthrene	n/a	=	94	%	EPA 625	-88	-88	54	120	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Phenanthrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Phenanthrene	n/a	=	9.04	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Phenanthrene	n/a	=	90	%	EPA 8270Cm	-88	-88	21	131	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Phenanthrene	n/a	=	9.62	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Phenanthrene	n/a	=	96	%	EPA 8270Cm	-88	-88	21	131	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Phenanthrene	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Phenanthrene	n/a	=	8.31	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Phenanthrene	n/a	=	83	%	EPA 8270Cm	-88	-88	21	131	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Phenanthrene	n/a	=	8.62	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Phenanthrene	n/a	=	86	%	EPA 8270Cm	-88	-88	21	131	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Phenanthrene	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	6/30/2015	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-6	Lab	LCS	6/30/2015	Organic	Phenol	n/a	=	7.11	µg/L	EPA 625	0.16	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Phenol	n/a	=	28	%	EPA 625	-88	-88	5	112	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Phenol	n/a	=	7.24	µg/L	EPA 625	0.16	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Phenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Phenol	n/a	=	3.41	µg/L	EPA 8270Cm	0.35	1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Phenol	n/a	=	34	%	EPA 8270Cm	-88	-88	6	43	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Phenol	n/a	=	3.38	µg/L	EPA 8270Cm	0.35	1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Phenol	n/a	=	34	%	EPA 8270Cm	-88	-88	6	43	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Phenol	n/a	=	0.9	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/8/2015	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1			
2014/15-6	Lab	LCS	7/8/2015	Organic	Phenol	n/a	=	3.33	µg/L	EPA 8270Cm	0.35	1			
2014/15-6	Lab	LCS, rec	7/8/2015	Organic	Phenol	n/a	=	33	%	EPA 8270Cm	-88	-88	6	43	
2014/15-6	Lab	LCS dup	7/8/2015	Organic	Phenol	n/a	=	2.96	µg/L	EPA 8270Cm	0.35	1			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Organic	Phenol	n/a	=	30	%	EPA 8270Cm	-88	-88	6	43	
2014/15-6	Lab	LCS, RPD	7/8/2015	Organic	Phenol	n/a	=	12	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Phenol	n/a	=	7.72	µg/L	EPA 625	0.16	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Phenol	n/a	=	31	%	EPA 625	-88	-88	5	112	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Phenol	n/a	=	5.84	µg/L	EPA 625	0.16	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Phenol	n/a	=	23	%	EPA 625	-88	-88	5	112	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Phenol	n/a	=	28	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Phenol	n/a	=	7.07	µg/L	EPA 625	0.16	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Phenol	n/a	=	28	%	EPA 625	-88	-88	5	112	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Phenol	n/a	=	7.31	µg/L	EPA 625	0.16	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Phenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/16/2015	Organic	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1			
2014/15-6	Lab	LCS	7/16/2015	Organic	Phenol	n/a	=	3.16	µg/L	EPA 8270Cm	0.35	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/16/2015	Organic	Phenol	n/a	=	32	%	EPA 8270Cm	-88	-88	6	43	
2014/15-6	Lab	LCS dup	7/16/2015	Organic	Phenol	n/a	=	3.09	µg/L	EPA 8270Cm	0.35	1			
2014/15-6	Lab	LCS dup, rec	7/16/2015	Organic	Phenol	n/a	=	31	%	EPA 8270Cm	-88	-88	6	43	
2014/15-6	Lab	LCS, RPD	7/16/2015	Organic	Phenol	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	srgt method blank	6/30/2015	Organic	Phenol-d5	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/30/2015	Organic	Phenol-d5	n/a	=	36	%	EPA 625	-88	-88	0.1	53	
2014/15-6	Lab	srgt LCS	6/30/2015	Organic	Phenol-d5	n/a	=	15.9	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/30/2015	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2014/15-6	Lab	srgt LCS dup	6/30/2015	Organic	Phenol-d5	n/a	=	16	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/30/2015	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2014/15-6	Lab	srgt method blank	7/7/2015	Organic	Phenol-d5	n/a	=	4.48	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/7/2015	Organic	Phenol-d5	n/a	=	45	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	Lab	srgt LCS	7/7/2015	Organic	Phenol-d5	n/a	=	3.49	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/7/2015	Organic	Phenol-d5	n/a	=	35	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	Lab	srgt LCS dup	7/7/2015	Organic	Phenol-d5	n/a	=	3.37	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/7/2015	Organic	Phenol-d5	n/a	=	34	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	Lab	srgt method blank	7/8/2015	Organic	Phenol-d5	n/a	=	4.02	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/8/2015	Organic	Phenol-d5	n/a	=	40	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	Lab	srgt LCS	7/8/2015	Organic	Phenol-d5	n/a	=	3.45	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/8/2015	Organic	Phenol-d5	n/a	=	34	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	Lab	srgt LCS dup	7/8/2015	Organic	Phenol-d5	n/a	=	3	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/8/2015	Organic	Phenol-d5	n/a	=	30	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	Lab	srgt method blank	7/10/2015	Organic	Phenol-d5	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/10/2015	Organic	Phenol-d5	n/a	=	36	%	EPA 625	-88	-88	0.1	53	
2014/15-6	Lab	srgt LCS	7/10/2015	Organic	Phenol-d5	n/a	=	17.9	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/10/2015	Organic	Phenol-d5	n/a	=	36	%	EPA 625	-88	-88	0.1	53	
2014/15-6	Lab	srgt LCS dup	7/10/2015	Organic	Phenol-d5	n/a	=	13.2	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/10/2015	Organic	Phenol-d5	n/a	=	26	%	EPA 625	-88	-88	0.1	53	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	Phenol-d5	n/a	=	22.5	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	Phenol-d5	n/a	=	45	%	EPA 625	-88	-88	0.1	53	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	Phenol-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2014/15-6	Lab	srgt LCS dup	7/14/2015	Organic	Phenol-d5	n/a	=	16.5	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/14/2015	Organic	Phenol-d5	n/a	=	33	%	EPA 625	-88	-88	0.1	53	
2014/15-6	Lab	srgt method blank	7/16/2015	Organic	Phenol-d5	n/a	=	3.57	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/16/2015	Organic	Phenol-d5	n/a	=	36	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	Lab	srgt LCS	7/16/2015	Organic	Phenol-d5	n/a	=	3.13	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/16/2015	Organic	Phenol-d5	n/a	=	31	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	Lab	srgt LCS dup	7/16/2015	Organic	Phenol-d5	n/a	=	2.96	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/16/2015	Organic	Phenol-d5	n/a	=	30	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	ME-CC	srgt environ	7/14/2015	Organic	Phenol-d5	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/14/2015	Organic	Phenol-d5	n/a	=	37	%	EPA 625	-88	-88	0.1	53	
2014/15-6	ME-CC	srgt environ	7/16/2015	Organic	Phenol-d5	n/a	=	3.54	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/16/2015	Organic	Phenol-d5	n/a	=	35	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	ME-SCR	srgt environ	7/8/2015	Organic	Phenol-d5	n/a	=	3.9	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/8/2015	Organic	Phenol-d5	n/a	=	39	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	ME-SCR	srgt environ	7/10/2015	Organic	Phenol-d5	n/a	=	19.2	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	ME-SCR	srgt environ, rec	7/10/2015	Organic	Phenol-d5	n/a	=	38	%	EPA 625	-88	-88	0.1	53	
2014/15-6	ME-VR2	srgt environ	7/1/2015	Organic	Phenol-d5	n/a	=	15.3	µg/L	EPA 625	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/1/2015	Organic	Phenol-d5	n/a	=	31	%	EPA 625	-88	-88	0.1	53	
2014/15-6	ME-VR2	srgt environ	7/8/2015	Organic	Phenol-d5	n/a	=	4.02	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/8/2015	Organic	Phenol-d5	n/a	=	40	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	MO-CAM	srgt environ	7/14/2015	Organic	Phenol-d5	n/a	=	18	µg/L	EPA 625	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/14/2015	Organic	Phenol-d5	n/a	=	36	%	EPA 625	-88	-88	0.1	53	
2014/15-6	MO-CAM	srgt environ	7/16/2015	Organic	Phenol-d5	n/a	=	3.71	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/16/2015	Organic	Phenol-d5	n/a	=	37	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	MO-FIL	srgt environ	7/8/2015	Organic	Phenol-d5	n/a	=	4.51	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/8/2015	Organic	Phenol-d5	n/a	=	45	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	MO-FIL	srgt environ	7/10/2015	Organic	Phenol-d5	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/10/2015	Organic	Phenol-d5	n/a	=	43	%	EPA 625	-88	-88	0.1	53	
2014/15-6	MO-HUE	srgt environ	7/8/2015	Organic	Phenol-d5	n/a	=	4.31	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/8/2015	Organic	Phenol-d5	n/a	=	43	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	MO-HUE	srgt environ	7/10/2015	Organic	Phenol-d5	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/10/2015	Organic	Phenol-d5	n/a	=	42	%	EPA 625	-88	-88	0.1	53	
2014/15-6	MO-SIM	srgt environ	7/14/2015	Organic	Phenol-d5	n/a	=	16.2	µg/L	EPA 625	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/14/2015	Organic	Phenol-d5	n/a	=	32	%	EPA 625	-88	-88	0.1	53	
2014/15-6	MO-SIM	srgt environ	7/16/2015	Organic	Phenol-d5	n/a	=	3.34	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/16/2015	Organic	Phenol-d5	n/a	=	33	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	MO-THO	srgt environ	7/14/2015	Organic	Phenol-d5	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/14/2015	Organic	Phenol-d5	n/a	=	38	%	EPA 625	-88	-88	0.1	53	
2014/15-6	MO-THO	srgt environ	7/16/2015	Organic	Phenol-d5	n/a	=	3.68	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/16/2015	Organic	Phenol-d5	n/a	=	37	%	EPA 8270Cm	-88	-88	5	46	
2014/15-6	Lab	srgt method blank	6/30/2015	Organic	p-Terphenyl-d14	n/a	=	19.9	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/30/2015	Organic	p-Terphenyl-d14	n/a	=	80	%	EPA 625	-88	-88	28	113	
2014/15-6	Lab	srgt LCS	6/30/2015	Organic	p-Terphenyl-d14	n/a	=	19.1	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/30/2015	Organic	p-Terphenyl-d14	n/a	=	77	%	EPA 625	-88	-88	28	113	
2014/15-6	Lab	srgt LCS dup	6/30/2015	Organic	p-Terphenyl-d14	n/a	=	19.3	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/30/2015	Organic	p-Terphenyl-d14	n/a	=	77	%	EPA 625	-88	-88	28	113	
2014/15-6	Lab	srgt method blank	7/7/2015	Organic	p-Terphenyl-d14	n/a	=	4.06	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/7/2015	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	Lab	srgt LCS	7/7/2015	Organic	p-Terphenyl-d14	n/a	=	4.63	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/7/2015	Organic	p-Terphenyl-d14	n/a	=	93	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	Lab	srgt LCS dup	7/7/2015	Organic	p-Terphenyl-d14	n/a	=	4.69	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/7/2015	Organic	p-Terphenyl-d14	n/a	=	94	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	Lab	srgt method blank	7/10/2015	Organic	p-Terphenyl-d14	n/a	=	23.2	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/10/2015	Organic	p-Terphenyl-d14	n/a	=	93	%	EPA 625	-88	-88	28	113	
2014/15-6	Lab	srgt LCS	7/10/2015	Organic	p-Terphenyl-d14	n/a	=	24	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/10/2015	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 625	-88	-88	28	113	
2014/15-6	Lab	srgt LCS dup	7/10/2015	Organic	p-Terphenyl-d14	n/a	=	20.9	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/10/2015	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 625	-88	-88	28	113	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	24.5	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	98	%	EPA 625	-88	-88	28	113	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	24.4	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	98	%	EPA 625	-88	-88	28	113	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	srgt LCS dup	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	25	µg/L	EPA 625	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	100	%	EPA 625	-88	-88	28	113	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	4.71	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	94	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	5.11	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	102	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	Lab	srgt LCS dup	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	5.44	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	109	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	Lab	srgt method blank	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	5.23	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	105	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	Lab	srgt LCS	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	4.56	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	91	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	Lab	srgt LCS dup	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	4.96	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	99	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	ME-CC	srgt environ	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	23.8	µg/L	EPA 625	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	95	%	EPA 625	-88	-88	28	113	
2014/15-6	ME-CC	srgt environ	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	5.12	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	102	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	ME-SCR	srgt environ	7/10/2015	Organic	p-Terphenyl-d14	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/10/2015	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625	-88	-88	28	113	
2014/15-6	ME-SCR	srgt environ	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	3.68	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	74	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	ME-VR2	srgt environ	7/1/2015	Organic	p-Terphenyl-d14	n/a	=	18.9	µg/L	EPA 625	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/1/2015	Organic	p-Terphenyl-d14	n/a	=	75	%	EPA 625	-88	-88	28	113	
2014/15-6	ME-VR2	srgt environ	7/7/2015	Organic	p-Terphenyl-d14	n/a	=	4.93	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/7/2015	Organic	p-Terphenyl-d14	n/a	=	99	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	MO-CAM	srgt environ	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	22.3	µg/L	EPA 625	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625	-88	-88	28	113	
2014/15-6	MO-CAM	srgt environ	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	4.11	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	MO-FIL	srgt environ	7/10/2015	Organic	p-Terphenyl-d14	n/a	=	21.5	µg/L	EPA 625	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/10/2015	Organic	p-Terphenyl-d14	n/a	=	86	%	EPA 625	-88	-88	28	113	
2014/15-6	MO-FIL	srgt environ	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	4.34	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	87	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	MO-HUE	srgt environ	7/10/2015	Organic	p-Terphenyl-d14	n/a	=	22	µg/L	EPA 625	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/10/2015	Organic	p-Terphenyl-d14	n/a	=	88	%	EPA 625	-88	-88	28	113	
2014/15-6	MO-HUE	srgt environ	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	4.97	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	99	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	MO-SIM	srgt environ	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	24.2	µg/L	EPA 625	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	97	%	EPA 625	-88	-88	28	113	
2014/15-6	MO-SIM	srgt environ	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	4.78	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	MO-THO	srgt environ	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	24	µg/L	EPA 625	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/14/2015	Organic	p-Terphenyl-d14	n/a	=	96	%	EPA 625	-88	-88	28	113	
2014/15-6	MO-THO	srgt environ	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	4.83	µg/L	EPA 8270Cm	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/15/2015	Organic	p-Terphenyl-d14	n/a	=	97	%	EPA 8270Cm	-88	-88	19	134	
2014/15-6	Lab	method blank	6/30/2015	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	6/30/2015	Organic	Pyrene	n/a	=	17.8	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Organic	Pyrene	n/a	=	71	%	EPA 625	-88	-88	52	115	
2014/15-6	Lab	LCS dup	6/30/2015	Organic	Pyrene	n/a	=	17.9	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Organic	Pyrene	n/a	=	71	%	EPA 625	-88	-88	52	115	
2014/15-6	Lab	LCS, RPD	6/30/2015	Organic	Pyrene	n/a	=	0.4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/7/2015	Organic	Pyrene	n/a	=	9.17	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/7/2015	Organic	Pyrene	n/a	=	92	%	EPA 8270Cm	-88	-88	26	128	
2014/15-6	Lab	LCS dup	7/7/2015	Organic	Pyrene	n/a	=	8.98	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Organic	Pyrene	n/a	=	90	%	EPA 8270Cm	-88	-88	26	128	
2014/15-6	Lab	LCS, RPD	7/7/2015	Organic	Pyrene	n/a	=	2	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS	7/10/2015	Organic	Pyrene	n/a	=	23.2	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Organic	Pyrene	n/a	=	93	%	EPA 625	-88	-88	52	115	
2014/15-6	Lab	LCS dup	7/10/2015	Organic	Pyrene	n/a	=	20.6	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Organic	Pyrene	n/a	=	82	%	EPA 625	-88	-88	52	115	
2014/15-6	Lab	LCS, RPD	7/10/2015	Organic	Pyrene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Pyrene	n/a	=	22	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Pyrene	n/a	=	88	%	EPA 625	-88	-88	52	115	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Pyrene	n/a	=	23.4	µg/L	EPA 625	0.25	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Pyrene	n/a	=	93	%	EPA 625	-88	-88	52	115	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Pyrene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/14/2015	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/14/2015	Organic	Pyrene	n/a	=	9.83	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Organic	Pyrene	n/a	=	98	%	EPA 8270Cm	-88	-88	26	128	
2014/15-6	Lab	LCS dup	7/14/2015	Organic	Pyrene	n/a	=	10.4	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Organic	Pyrene	n/a	=	104	%	EPA 8270Cm	-88	-88	26	128	
2014/15-6	Lab	LCS, RPD	7/14/2015	Organic	Pyrene	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Organic	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS	7/15/2015	Organic	Pyrene	n/a	=	8.94	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS, rec	7/15/2015	Organic	Pyrene	n/a	=	89	%	EPA 8270Cm	-88	-88	26	128	
2014/15-6	Lab	LCS dup	7/15/2015	Organic	Pyrene	n/a	=	9.44	µg/L	EPA 8270Cm	0.1	0.1			
2014/15-6	Lab	LCS dup, rec	7/15/2015	Organic	Pyrene	n/a	=	94	%	EPA 8270Cm	-88	-88	26	128	
2014/15-6	Lab	LCS, RPD	7/15/2015	Organic	Pyrene	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	000NONPJ	srgt matrix spike	7/17/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.045	µg/L	EPA 608	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	7/17/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	45	%	EPA 608	-88	-88	12	117	
2014/15-6	000NONPJ	srgt matrix spike dup	7/17/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.06	µg/L	EPA 608	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike dup, rec	7/17/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	60	%	EPA 608	-88	-88	12	117	
2014/15-6	Lab	srgt method blank	7/7/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.088	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/7/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	88	%	EPA 608	-88	-88	12	117	
2014/15-6	Lab	srgt LCS	7/7/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0877	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/7/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	88	%	EPA 608	-88	-88	12	117	
2014/15-6	Lab	srgt LCS dup	7/7/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0908	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/7/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	91	%	EPA 608	-88	-88	12	117	
2014/15-6	Lab	srgt method blank	7/11/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0622	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/11/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	62	%	EPA 608	-88	-88	12	117	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	srgt LCS	7/11/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0751	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/11/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	75	%	EPA 608	-88	-88	12	117	
2014/15-6	Lab	srgt LCS dup	7/11/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.071	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/11/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	71	%	EPA 608	-88	-88	12	117	
2014/15-6	Lab	srgt method blank	7/15/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.094	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/15/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	94	%	EPA 608	-88	-88	12	117	
2014/15-6	Lab	srgt method blank, rec	7/17/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0554	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/17/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	55	%	EPA 608	-88	-88	12	117	
2014/15-6	Lab	srgt LCS	7/17/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0588	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/17/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	59	%	EPA 608	-88	-88	12	117	
2014/15-6	ME-CC	srgt environ	7/18/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0568	µg/L	EPA 608	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/18/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	57	%	EPA 608	-88	-88	12	117	
2014/15-6	ME-SCR	srgt environ	7/11/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.065	µg/L	EPA 608	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/11/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	65	%	EPA 608	-88	-88	12	117	
2014/15-6	ME-VR2	srgt environ	7/7/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0782	µg/L	EPA 608	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/7/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	78	%	EPA 608	-88	-88	12	117	
2014/15-6	MO-CAM	srgt environ	7/18/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0474	µg/L	EPA 608	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/18/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	47	%	EPA 608	-88	-88	12	117	
2014/15-6	MO-FIL	srgt environ	7/11/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0727	µg/L	EPA 608	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/11/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	73	%	EPA 608	-88	-88	12	117	
2014/15-6	MO-HUE	srgt environ	7/11/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0682	µg/L	EPA 608	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/11/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	68	%	EPA 608	-88	-88	12	117	
2014/15-6	MO-SIM	srgt environ	7/18/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.0539	µg/L	EPA 608	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/18/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	54	%	EPA 608	-88	-88	12	117	
2014/15-6	MO-THO	srgt environ	7/18/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	0.061	µg/L	EPA 608	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/18/2015	Organic	Tetrachloro-m-xylene (TCMX)	n/a	=	61	%	EPA 608	-88	-88	12	117	
2014/15-6	Lab	srgt LCS	6/24/2015	Organic	Toluene-d8	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/24/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-6	Lab	srgt LCS dup	6/24/2015	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/24/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-6	Lab	srgt method blank	6/24/2015	Organic	Toluene-d8	n/a	=	50	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/24/2015	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2014/15-6	Lab	srgt LCS	7/6/2015	Organic	Toluene-d8	n/a	=	51.1	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/6/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-6	Lab	srgt LCS dup	7/6/2015	Organic	Toluene-d8	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/6/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-6	Lab	srgt method blank	7/6/2015	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/6/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-6	Lab	srgt LCS	7/8/2015	Organic	Toluene-d8	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/8/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-6	Lab	srgt LCS dup	7/8/2015	Organic	Toluene-d8	n/a	=	51.4	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/8/2015	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2014/15-6	Lab	srgt method blank	7/8/2015	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/8/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-6	ME-CC	srgt environ	7/8/2015	Organic	Toluene-d8	n/a	=	50.6	µg/L	EPA 624	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/8/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-6	ME-CC	srgt matrix spike	7/8/2015	Organic	Toluene-d8	n/a	=	51.1	µg/L	EPA 624	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	ME-CC	srgt matrix spike, rec	7/8/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-6	ME-CC	srgt matrix spike dup	7/9/2015	Organic	Toluene-d8	n/a	=	51.3	µg/L	EPA 624	-88	-88			
2014/15-6	ME-CC	srgt matrix spike dup, rec	7/9/2015	Organic	Toluene-d8	n/a	=	103	%	EPA 624	-88	-88	92	112	
2014/15-6	ME-SCR	srgt environ	7/6/2015	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/6/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-6	ME-VR2	srgt environ	6/24/2015	Organic	Toluene-d8	n/a	=	50.2	µg/L	EPA 624	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	6/24/2015	Organic	Toluene-d8	n/a	=	100	%	EPA 624	-88	-88	92	112	
2014/15-6	ME-VR2	srgt matrix spike	6/24/2015	Organic	Toluene-d8	n/a	=	50.3	µg/L	EPA 624	-88	-88			
2014/15-6	ME-VR2	srgt matrix spike, rec	6/24/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-6	ME-VR2	srgt matrix spike dup	6/24/2015	Organic	Toluene-d8	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2014/15-6	ME-VR2	srgt matrix spike dup, rec	6/24/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-6	MO-CAM	srgt environ	7/8/2015	Organic	Toluene-d8	n/a	=	50.9	µg/L	EPA 624	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/8/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-6	MO-FIL	srgt environ	7/6/2015	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/6/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-6	MO-HUE	srgt environ	7/6/2015	Organic	Toluene-d8	n/a	=	50.4	µg/L	EPA 624	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/6/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-6	MO-SIM	srgt environ	7/8/2015	Organic	Toluene-d8	n/a	=	50.8	µg/L	EPA 624	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/8/2015	Organic	Toluene-d8	n/a	=	102	%	EPA 624	-88	-88	92	112	
2014/15-6	MO-THO	srgt environ	7/8/2015	Organic	Toluene-d8	n/a	=	50.7	µg/L	EPA 624	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/8/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-6	MO-THO	srgt field duplicate	7/8/2015	Organic	Toluene-d8	n/a	=	50.5	µg/L	EPA 624	-88	-88			
2014/15-6	MO-THO	srgt field duplicate, rec	7/8/2015	Organic	Toluene-d8	n/a	=	101	%	EPA 624	-88	-88	92	112	
2014/15-6	000NONPJ	srgt matrix spike	7/8/2015	Organic	Triphenylphosphate	n/a	=	0.638	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	7/8/2015	Organic	Triphenylphosphate	n/a	=	128	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	000NONPJ	srgt matrix spike dup	7/8/2015	Organic	Triphenylphosphate	n/a	=	0.62	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike dup, rec	7/8/2015	Organic	Triphenylphosphate	n/a	=	124	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	000NONPJ	srgt matrix spike	7/14/2015	Organic	Triphenylphosphate	n/a	=	0.649	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	130	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	000NONPJ	srgt matrix spike dup	7/14/2015	Organic	Triphenylphosphate	n/a	=	0.637	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike dup, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	127	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	000NONPJ	srgt matrix spike	7/14/2015	Organic	Triphenylphosphate	n/a	=	0.616	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	000NONPJ	srgt matrix spike dup	7/15/2015	Organic	Triphenylphosphate	n/a	=	0.659	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike dup, rec	7/15/2015	Organic	Triphenylphosphate	n/a	=	132	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	000NONPJ	srgt matrix spike	7/17/2015	Organic	Triphenylphosphate	n/a	=	0.594	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	7/17/2015	Organic	Triphenylphosphate	n/a	=	119	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	000NONPJ	srgt matrix spike dup	7/17/2015	Organic	Triphenylphosphate	n/a	=	0.632	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike dup, rec	7/17/2015	Organic	Triphenylphosphate	n/a	=	126	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	000NONPJ	srgt matrix spike	7/21/2015	Organic	Triphenylphosphate	n/a	=	0.601	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	7/21/2015	Organic	Triphenylphosphate	n/a	=	120	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	000NONPJ	srgt matrix spike dup	7/21/2015	Organic	Triphenylphosphate	n/a	=	0.59	µg/L	EPA 525.2m	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike dup, rec	7/21/2015	Organic	Triphenylphosphate	n/a	=	118	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	Lab	srgt method blank	6/29/2015	Organic	Triphenylphosphate	n/a	=	4.83	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt method blank, rec	6/29/2015	Organic	Triphenylphosphate	n/a	=	97	%	EPA 525.2	-88	-88	70	149	
2014/15-6	Lab	srgt LCS	6/29/2015	Organic	Triphenylphosphate	n/a	=	6.22	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS, rec	6/29/2015	Organic	Triphenylphosphate	n/a	=	124	%	EPA 525.2	-88	-88	70	149	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	srgt LCS dup	6/29/2015	Organic	Triphenylphosphate	n/a	=	4.62	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	6/29/2015	Organic	Triphenylphosphate	n/a	=	92	%	EPA 525.2	-88	-88	70	149	
2014/15-6	Lab	srgt method blank	7/7/2015	Organic	Triphenylphosphate	n/a	=	0.992	µg/L	EPA 525.2m	-88	-88			GN
2014/15-6	Lab	srgt method blank, rec	7/7/2015	Organic	Triphenylphosphate	n/a	=	198	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-6	Lab	srgt LCS	7/7/2015	Organic	Triphenylphosphate	n/a	=	1.07	µg/L	EPA 525.2m	-88	-88			GN
2014/15-6	Lab	srgt LCS, rec	7/7/2015	Organic	Triphenylphosphate	n/a	=	215	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-6	Lab	srgt method blank	7/7/2015	Organic	Triphenylphosphate	n/a	=	0.697	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/7/2015	Organic	Triphenylphosphate	n/a	=	139	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	Lab	srgt LCS	7/8/2015	Organic	Triphenylphosphate	n/a	=	0.752	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/8/2015	Organic	Triphenylphosphate	n/a	=	150	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	Lab	srgt method blank	7/11/2015	Organic	Triphenylphosphate	n/a	=	5.02	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/11/2015	Organic	Triphenylphosphate	n/a	=	100	%	EPA 525.2	-88	-88	70	149	
2014/15-6	Lab	srgt LCS dup	7/11/2015	Organic	Triphenylphosphate	n/a	=	5.2	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/11/2015	Organic	Triphenylphosphate	n/a	=	104	%	EPA 525.2	-88	-88	70	149	
2014/15-6	Lab	srgt LCS	7/11/2015	Organic	Triphenylphosphate	n/a	=	4.49	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/11/2015	Organic	Triphenylphosphate	n/a	=	90	%	EPA 525.2	-88	-88	70	149	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	Triphenylphosphate	n/a	=	0.704	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	141	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	Triphenylphosphate	n/a	=	0.722	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	144	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	Triphenylphosphate	n/a	=	3.58	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	72	%	EPA 525.2	-88	-88	70	149	
2014/15-6	Lab	srgt LCS dup	7/14/2015	Organic	Triphenylphosphate	n/a	=	4.82	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	96	%	EPA 525.2	-88	-88	70	149	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	Triphenylphosphate	n/a	=	4.03	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	81	%	EPA 525.2	-88	-88	70	149	
2014/15-6	Lab	srgt method blank	7/14/2015	Organic	Triphenylphosphate	n/a	=	0.776	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	155	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	Lab	srgt LCS	7/14/2015	Organic	Triphenylphosphate	n/a	=	0.751	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	150	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	Lab	srgt method blank	7/17/2015	Organic	Triphenylphosphate	n/a	=	0.738	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/17/2015	Organic	Triphenylphosphate	n/a	=	148	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	Lab	srgt LCS	7/17/2015	Organic	Triphenylphosphate	n/a	=	0.714	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/17/2015	Organic	Triphenylphosphate	n/a	=	143	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	Lab	srgt method blank	7/21/2015	Organic	Triphenylphosphate	n/a	=	0.662	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/21/2015	Organic	Triphenylphosphate	n/a	=	132	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	Lab	srgt LCS	7/21/2015	Organic	Triphenylphosphate	n/a	=	0.746	µg/L	EPA 525.2m	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/21/2015	Organic	Triphenylphosphate	n/a	=	149	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	Lab	srgt method blank	8/3/2015	Organic	Triphenylphosphate	n/a	=	4.67	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt method blank, rec	8/3/2015	Organic	Triphenylphosphate	n/a	=	93	%	EPA 525.2	-88	-88	70	149	
2014/15-6	Lab	srgt LCS	8/3/2015	Organic	Triphenylphosphate	n/a	=	4.74	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS, rec	8/3/2015	Organic	Triphenylphosphate	n/a	=	95	%	EPA 525.2	-88	-88	70	149	
2014/15-6	Lab	srgt LCS dup	8/4/2015	Organic	Triphenylphosphate	n/a	=	5.45	µg/L	EPA 525.2	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	8/4/2015	Organic	Triphenylphosphate	n/a	=	109	%	EPA 525.2	-88	-88	70	149	
2014/15-6	ME-CC	srgt environ	7/14/2015	Organic	Triphenylphosphate	n/a	=	4.43	µg/L	EPA 525.2	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	89	%	EPA 525.2	-88	-88	70	149	
2014/15-6	ME-CC	srgt environ	7/21/2015	Organic	Triphenylphosphate	n/a	=	0.625	µg/L	EPA 525.2m	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	ME-CC	srgt environ, rec	7/21/2015	Organic	Triphenylphosphate	n/a	=	125	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	ME-CC	srgt environ	8/4/2015	Organic	Triphenylphosphate	n/a	=	5.35	µg/L	EPA 525.2	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	8/4/2015	Organic	Triphenylphosphate	n/a	=	107	%	EPA 525.2	-88	-88	70	149	
2014/15-6	ME-SCR	srgt environ	7/11/2015	Organic	Triphenylphosphate	n/a	=	3.99	µg/L	EPA 525.2	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/11/2015	Organic	Triphenylphosphate	n/a	=	80	%	EPA 525.2	-88	-88	70	149	
2014/15-6	ME-SCR	srgt environ	7/14/2015	Organic	Triphenylphosphate	n/a	=	0.85	µg/L	EPA 525.2m	-88	-88			GN
2014/15-6	ME-SCR	srgt environ, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	170	%	EPA 525.2m	-88	-88	40	163	GN
2014/15-6	ME-VR2	srgt environ	6/30/2015	Organic	Triphenylphosphate	n/a	=	5.31	µg/L	EPA 525.2	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	6/30/2015	Organic	Triphenylphosphate	n/a	=	106	%	EPA 525.2	-88	-88	70	149	
2014/15-6	ME-VR2	srgt environ	7/8/2015	Organic	Triphenylphosphate	n/a	=	0.68	µg/L	EPA 525.2m	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/8/2015	Organic	Triphenylphosphate	n/a	=	136	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	MO-CAM	srgt environ	7/14/2015	Organic	Triphenylphosphate	n/a	=	3.87	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	77	%	EPA 525.2	-88	-88	70	149	
2014/15-6	MO-CAM	srgt environ	7/21/2015	Organic	Triphenylphosphate	n/a	=	0.656	µg/L	EPA 525.2m	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/21/2015	Organic	Triphenylphosphate	n/a	=	131	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	MO-FIL	srgt environ	7/11/2015	Organic	Triphenylphosphate	n/a	=	4.11	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/11/2015	Organic	Triphenylphosphate	n/a	=	82	%	EPA 525.2	-88	-88	70	149	
2014/15-6	MO-FIL	srgt environ	7/14/2015	Organic	Triphenylphosphate	n/a	=	0.669	µg/L	EPA 525.2m	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	134	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	MO-HUE	srgt environ	7/11/2015	Organic	Triphenylphosphate	n/a	=	4.56	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/11/2015	Organic	Triphenylphosphate	n/a	=	91	%	EPA 525.2	-88	-88	70	149	
2014/15-6	MO-HUE	srgt environ	7/14/2015	Organic	Triphenylphosphate	n/a	=	0.613	µg/L	EPA 525.2m	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	123	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	MO-SIM	srgt environ	7/14/2015	Organic	Triphenylphosphate	n/a	=	3.1	µg/L	EPA 525.2	-88	-88			GN
2014/15-6	MO-SIM	srgt environ, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	62	%	EPA 525.2	-88	-88	70	149	GN
2014/15-6	MO-SIM	srgt environ	7/21/2015	Organic	Triphenylphosphate	n/a	=	0.605	µg/L	EPA 525.2m	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/21/2015	Organic	Triphenylphosphate	n/a	=	121	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	MO-THO	srgt environ	7/14/2015	Organic	Triphenylphosphate	n/a	=	4.47	µg/L	EPA 525.2	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/14/2015	Organic	Triphenylphosphate	n/a	=	89	%	EPA 525.2	-88	-88	70	149	
2014/15-6	MO-THO	srgt environ	7/15/2015	Organic	Triphenylphosphate	n/a	=	0.653	µg/L	EPA 525.2m	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/15/2015	Organic	Triphenylphosphate	n/a	=	131	%	EPA 525.2m	-88	-88	40	163	
2014/15-6	000NONPJ	srgt matrix spike	7/17/2015	PCB	PCB 209	n/a	=	0.0504	µg/L	EPA 608	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike, rec	7/17/2015	PCB	PCB 209	n/a	=	50	%	EPA 608	-88	-88	0.1	118	
2014/15-6	000NONPJ	srgt matrix spike dup	7/17/2015	PCB	PCB 209	n/a	=	0.052	µg/L	EPA 608	-88	-88			
2014/15-6	000NONPJ	srgt matrix spike dup, rec	7/17/2015	PCB	PCB 209	n/a	=	52	%	EPA 608	-88	-88	0.1	118	
2014/15-6	Lab	srgt method blank	7/7/2015	PCB	PCB 209	n/a	=	0.109	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/7/2015	PCB	PCB 209	n/a	=	109	%	EPA 608	-88	-88	0.1	118	
2014/15-6	Lab	srgt LCS	7/7/2015	PCB	PCB 209	n/a	=	0.106	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/7/2015	PCB	PCB 209	n/a	=	106	%	EPA 608	-88	-88	0.1	118	
2014/15-6	Lab	srgt LCS dup	7/7/2015	PCB	PCB 209	n/a	=	0.106	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/7/2015	PCB	PCB 209	n/a	=	106	%	EPA 608	-88	-88	0.1	118	
2014/15-6	Lab	srgt method blank	7/11/2015	PCB	PCB 209	n/a	=	0.0799	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/11/2015	PCB	PCB 209	n/a	=	80	%	EPA 608	-88	-88	0.1	118	
2014/15-6	Lab	srgt LCS	7/11/2015	PCB	PCB 209	n/a	=	0.0829	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/11/2015	PCB	PCB 209	n/a	=	83	%	EPA 608	-88	-88	0.1	118	
2014/15-6	Lab	srgt LCS dup	7/11/2015	PCB	PCB 209	n/a	=	0.0795	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt LCS dup, rec	7/11/2015	PCB	PCB 209	n/a	=	80	%	EPA 608	-88	-88	0.1	118	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	srgt method blank	7/15/2015	PCB	PCB 209	n/a	=	0.109	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/15/2015	PCB	PCB 209	n/a	=	109	%	EPA 608	-88	-88	0.1	118	
2014/15-6	Lab	srgt method blank	7/17/2015	PCB	PCB 209	n/a	=	0.0832	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt method blank, rec	7/17/2015	PCB	PCB 209	n/a	=	83	%	EPA 608	-88	-88	0.1	118	
2014/15-6	Lab	srgt LCS	7/17/2015	PCB	PCB 209	n/a	=	0.0823	µg/L	EPA 608	-88	-88			
2014/15-6	Lab	srgt LCS, rec	7/17/2015	PCB	PCB 209	n/a	=	82	%	EPA 608	-88	-88	0.1	118	
2014/15-6	ME-CC	srgt environ	7/18/2015	PCB	PCB 209	n/a	=	0.0867	µg/L	EPA 608	-88	-88			
2014/15-6	ME-CC	srgt environ, rec	7/18/2015	PCB	PCB 209	n/a	=	87	%	EPA 608	-88	-88	0.1	118	
2014/15-6	ME-SCR	srgt environ	7/11/2015	PCB	PCB 209	n/a	=	0.0731	µg/L	EPA 608	-88	-88			
2014/15-6	ME-SCR	srgt environ, rec	7/11/2015	PCB	PCB 209	n/a	=	73	%	EPA 608	-88	-88	0.1	118	
2014/15-6	ME-VR2	srgt environ	7/7/2015	PCB	PCB 209	n/a	=	0.0951	µg/L	EPA 608	-88	-88			
2014/15-6	ME-VR2	srgt environ, rec	7/7/2015	PCB	PCB 209	n/a	=	95	%	EPA 608	-88	-88	0.1	118	
2014/15-6	MO-CAM	srgt environ	7/18/2015	PCB	PCB 209	n/a	=	0.0596	µg/L	EPA 608	-88	-88			
2014/15-6	MO-CAM	srgt environ, rec	7/18/2015	PCB	PCB 209	n/a	=	60	%	EPA 608	-88	-88	0.1	118	
2014/15-6	MO-FIL	srgt environ	7/11/2015	PCB	PCB 209	n/a	=	0.0842	µg/L	EPA 608	-88	-88			
2014/15-6	MO-FIL	srgt environ, rec	7/11/2015	PCB	PCB 209	n/a	=	84	%	EPA 608	-88	-88	0.1	118	
2014/15-6	MO-HUE	srgt environ	7/11/2015	PCB	PCB 209	n/a	=	0.0617	µg/L	EPA 608	-88	-88			
2014/15-6	MO-HUE	srgt environ, rec	7/11/2015	PCB	PCB 209	n/a	=	62	%	EPA 608	-88	-88	0.1	118	
2014/15-6	MO-SIM	srgt environ	7/18/2015	PCB	PCB 209	n/a	=	0.0844	µg/L	EPA 608	-88	-88			
2014/15-6	MO-SIM	srgt environ, rec	7/18/2015	PCB	PCB 209	n/a	=	84	%	EPA 608	-88	-88	0.1	118	
2014/15-6	MO-THO	srgt environ	7/18/2015	PCB	PCB 209	n/a	=	0.0825	µg/L	EPA 608	-88	-88			
2014/15-6	MO-THO	srgt environ, rec	7/18/2015	PCB	PCB 209	n/a	=	82	%	EPA 608	-88	-88	0.1	118	
2014/15-6	Lab	method blank	7/7/2015	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2014/15-6	Lab	method blank	7/11/2015	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2014/15-6	Lab	method blank	7/15/2015	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2014/15-6	Lab	method blank	7/17/2015	PCB	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5			
2014/15-6	Lab	method blank	7/7/2015	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-6	Lab	method blank	7/11/2015	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-6	Lab	method blank	7/15/2015	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-6	Lab	method blank	7/17/2015	PCB	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-6	Lab	method blank	7/7/2015	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2014/15-6	Lab	method blank	7/11/2015	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2014/15-6	Lab	method blank	7/15/2015	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2014/15-6	Lab	method blank	7/17/2015	PCB	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5			
2014/15-6	Lab	method blank	7/7/2015	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2014/15-6	Lab	method blank	7/11/2015	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2014/15-6	Lab	method blank	7/15/2015	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2014/15-6	Lab	method blank	7/17/2015	PCB	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5			
2014/15-6	Lab	method blank	7/7/2015	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-6	Lab	method blank	7/11/2015	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-6	Lab	method blank	7/15/2015	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-6	Lab	method blank	7/17/2015	PCB	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5			
2014/15-6	Lab	method blank	7/7/2015	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-6	Lab	method blank	7/11/2015	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-6	Lab	method blank	7/15/2015	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-6	Lab	method blank	7/17/2015	PCB	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-6	Lab	method blank	7/7/2015	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/11/2015	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-6	Lab	method blank	7/15/2015	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-6	Lab	method blank	7/17/2015	PCB	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5			
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	2,4,5-T	n/a	=	4.03	µg/L	EPA 515.3	0.07	0.2			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	2,4,5-T	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	2,4,5-T	n/a	=	4.06	µg/L	EPA 515.3	0.07	0.2			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	2,4,5-T	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	2,4,5-T	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	2,4,5-T	n/a	=	3.82	µg/L	EPA 515.3	0.07	0.2			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	2,4,5-T	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	2,4,5-T	n/a	=	4.7	µg/L	EPA 515.3	0.07	0.2			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	2,4,5-T	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	2,4,5-T	n/a	=	4.32	µg/L	EPA 515.3	0.07	0.2			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	2,4,5-T	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	2,4,5-T	n/a	=	4.42	µg/L	EPA 515.3	0.07	0.2			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	2,4,5-T	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	2,4,5-T	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	2,4,5-T	n/a	=	4.53	µg/L	EPA 515.3	0.07	0.2			
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	2,4,5-T	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	2,4,5-T	n/a	=	4.45	µg/L	EPA 515.3	0.07	0.2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	2,4,5-T	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	2,4,5-T	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	2,4,5-TP	n/a	=	3.56	µg/L	EPA 515.3	0.09	0.2			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	2,4,5-TP	n/a	=	89	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	2,4,5-TP	n/a	=	3.61	µg/L	EPA 515.3	0.09	0.2			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	2,4,5-TP	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	2,4,5-TP	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	2,4,5-TP	n/a	=	3.38	µg/L	EPA 515.3	0.09	0.2			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	2,4,5-TP	n/a	=	84	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	2,4,5-TP	n/a	=	4.12	µg/L	EPA 515.3	0.09	0.2			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	2,4,5-TP	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	2,4,5-TP	n/a	=	3.8	µg/L	EPA 515.3	0.09	0.2			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	2,4,5-TP	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	2,4,5-TP	n/a	=	3.88	µg/L	EPA 515.3	0.09	0.2			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	2,4,5-TP	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	2,4,5-TP	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	2,4,5-TP	n/a	=	3.95	µg/L	EPA 515.3	0.09	0.2			
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	2,4,5-TP	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	2,4,5-TP	n/a	=	3.87	µg/L	EPA 515.3	0.09	0.2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	2,4,5-TP	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	2,4,5-TP	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	2,4-D	n/a	=	8.3	µg/L	EPA 515.3	0.07	0.4			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	2,4-D	n/a	=	104	%	EPA 515.3	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	2,4-D	n/a	=	8.42	µg/L	EPA 515.3	0.07	0.4			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	2,4-D	n/a	=	105	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	2,4-D	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	2,4-D	n/a	=	7.82	µg/L	EPA 515.3	0.07	0.4			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	2,4-D	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	2,4-D	n/a	=	9.41	µg/L	EPA 515.3	0.07	0.4			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	2,4-D	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	2,4-D	n/a	=	8.78	µg/L	EPA 515.3	0.07	0.4			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	2,4-D	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	2,4-D	n/a	=	9.26	µg/L	EPA 515.3	0.07	0.4			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	2,4-D	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	2,4-D	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	2,4-D	n/a	=	9.02	µg/L	EPA 515.3	0.07	0.4			
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	2,4-D	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	2,4-D	n/a	=	9.07	µg/L	EPA 515.3	0.07	0.4			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	2,4-D	n/a	=	113	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	2,4-D	n/a	=	0.5	%	EPA 515.3	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	2,4-DB	n/a	=	17.3	µg/L	EPA 515.3	0.07	2			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	2,4-DB	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	2,4-DB	n/a	=	13.3	µg/L	EPA 515.3	0.07	2			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	2,4-DB	n/a	=	83	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	2,4-DB	n/a	=	26	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	2,4-DB	n/a	=	11.5	µg/L	EPA 515.3	0.07	2			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	2,4-DB	n/a	=	72	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	2,4-DB	n/a	=	16	µg/L	EPA 515.3	0.07	2			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	2,4-DB	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	2,4-DB	n/a	=	15.3	µg/L	EPA 515.3	0.07	2			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	2,4-DB	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	2,4-DB	n/a	=	15.8	µg/L	EPA 515.3	0.07	2			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	2,4-DB	n/a	=	99	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	2,4-DB	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	2,4-DB	n/a	=	15.8	µg/L	EPA 515.3	0.07	2			
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	2,4-DB	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	2,4-DB	n/a	=	15.2	µg/L	EPA 515.3	0.07	2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	2,4-DB	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	2,4-DB	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.72	µg/L	EPA 515.3	0.09	1			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.54	µg/L	EPA 515.3	0.09	1			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.14	µg/L	EPA 515.3	0.09	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	9.18	µg/L	EPA 515.3	0.09	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	115	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.52	µg/L	EPA 515.3	0.09	1			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.65	µg/L	EPA 515.3	0.09	1			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	108	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.92	µg/L	EPA 515.3	0.09	1			
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	8.8	µg/L	EPA 515.3	0.09	1			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	3,5-Dichlorobenzoic acid	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	4,4'-DDD	n/a	=	0.06	µg/L	EPA 608	0.003	0.05			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	4,4'-DDD	n/a	=	60	%	EPA 608	-88	-88	23	124	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	4,4'-DDD	n/a	=	0.0622	µg/L	EPA 608	0.003	0.05			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	4,4'-DDD	n/a	=	62	%	EPA 608	-88	-88	23	124	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	4,4'-DDD	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	4,4'-DDD	n/a	=	0.102	µg/L	EPA 608	0.003	0.05			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	4,4'-DDD	n/a	=	102	%	EPA 608	-88	-88	42	133	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	4,4'-DDD	n/a	=	0.104	µg/L	EPA 608	0.003	0.05			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	4,4'-DDD	n/a	=	104	%	EPA 608	-88	-88	42	133	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	4,4'-DDD	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	4,4'-DDD	n/a	=	0.0823	µg/L	EPA 608	0.003	0.05			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	4,4'-DDD	n/a	=	82	%	EPA 608	-88	-88	42	133	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	4,4'-DDD	n/a	=	0.0831	µg/L	EPA 608	0.003	0.05			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	4,4'-DDD	n/a	=	83	%	EPA 608	-88	-88	42	133	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	4,4'-DDD	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	4,4'-DDD	n/a	=	0.0875	µg/L	EPA 608	0.003	0.05			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	4,4'-DDD	n/a	=	88	%	EPA 608	-88	-88	42	133	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	4,4'-DDE	n/a	=	0.0608	µg/L	EPA 608	0.0025	0.05			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	4,4'-DDE	n/a	=	61	%	EPA 608	-88	-88	30	114	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	4,4'-DDE	n/a	=	0.0617	µg/L	EPA 608	0.0025	0.05			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	4,4'-DDE	n/a	=	62	%	EPA 608	-88	-88	30	114	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	4,4'-DDE	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	4,4'-DDE	n/a	=	0.105	µg/L	EPA 608	0.0025	0.05			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	4,4'-DDE	n/a	=	105	%	EPA 608	-88	-88	33	126	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	4,4'-DDE	n/a	=	0.107	µg/L	EPA 608	0.0025	0.05			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	4,4'-DDE	n/a	=	107	%	EPA 608	-88	-88	33	126	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	4,4'-DDE	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	4,4'-DDE	n/a	=	0.0823	µg/L	EPA 608	0.0025	0.05			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	4,4'-DDE	n/a	=	82	%	EPA 608	-88	-88	33	126	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	4,4'-DDE	n/a	=	0.0835	µg/L	EPA 608	0.0025	0.05			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	4,4'-DDE	n/a	=	83	%	EPA 608	-88	-88	33	126	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	4,4'-DDE	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	4,4'-DDE	n/a	=	0.089	µg/L	EPA 608	0.0025	0.05			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	4,4'-DDE	n/a	=	89	%	EPA 608	-88	-88	33	126	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	4,4'-DDT	n/a	=	0.0416	µg/L	EPA 608	0.0031	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	4,4'-DDT	n/a	=	42	%	EPA 608	-88	-88	11	151	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	4,4'-DDT	n/a	=	0.0373	µg/L	EPA 608	0.0031	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	4,4'-DDT	n/a	=	37	%	EPA 608	-88	-88	11	151	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	4,4'-DDT	n/a	=	11	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	4,4'-DDT	n/a	=	0.116	µg/L	EPA 608	0.0031	0.01			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	4,4'-DDT	n/a	=	116	%	EPA 608	-88	-88	35	147	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	4,4'-DDT	n/a	=	0.117	µg/L	EPA 608	0.0031	0.01			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	4,4'-DDT	n/a	=	117	%	EPA 608	-88	-88	35	147	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	4,4'-DDT	n/a	=	0.5	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	4,4'-DDT	n/a	=	0.0902	µg/L	EPA 608	0.0031	0.01			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	4,4'-DDT	n/a	=	90	%	EPA 608	-88	-88	35	147	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	4,4'-DDT	n/a	=	0.09	µg/L	EPA 608	0.0031	0.01			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	4,4'-DDT	n/a	=	90	%	EPA 608	-88	-88	35	147	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	4,4'-DDT	n/a	=	0.3	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	4,4'-DDT	n/a	=	0.0972	µg/L	EPA 608	0.0031	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	4,4'-DDT	n/a	=	97	%	EPA 608	-88	-88	35	147	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	Acifluorfen	n/a	=	4.01	µg/L	EPA 515.3	0.06	0.4			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	Acifluorfen	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	Acifluorfen	n/a	=	4.04	µg/L	EPA 515.3	0.06	0.4			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	Acifluorfen	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	Acifluorfen	n/a	=	0.8	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	Acifluorfen	n/a	=	3.91	µg/L	EPA 515.3	0.06	0.4			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	Acifluorfen	n/a	=	98	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	Acifluorfen	n/a	=	5.24	µg/L	EPA 515.3	0.06	0.4			EUM
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	Acifluorfen	n/a	=	131	%	EPA 515.3	-88	-88	70	130	EUM
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	Acifluorfen	n/a	=	4.78	µg/L	EPA 515.3	0.06	0.4			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	Acifluorfen	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	Acifluorfen	n/a	=	4.93	µg/L	EPA 515.3	0.06	0.4			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	Acifluorfen	n/a	=	123	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	Acifluorfen	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	Acifluorfen	n/a	=	5.07	µg/L	EPA 515.3	0.06	0.4			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	Acifluorfen	n/a	=	127	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	Acifluorfen	n/a	=	4.93	µg/L	EPA 515.3	0.06	0.4			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	Acifluorfen	n/a	=	123	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	Acifluorfen	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Alachlor	n/a	=	5.28	µg/L	EPA 525.2	0.022	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Alachlor	n/a	=	106	%	EPA 525.2	-88	-88	55	124	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Alachlor	n/a	=	9.03	µg/L	EPA 525.2	0.022	0.1			EUM
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Alachlor	n/a	=	181	%	EPA 525.2	-88	-88	55	124	EUM
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Alachlor	n/a	=	52	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Alachlor	n/a	=	5.97	µg/L	EPA 525.2	0.022	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Alachlor	n/a	=	119	%	EPA 525.2	-88	-88	55	124	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Alachlor	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Alachlor	n/a	=	6.94	µg/L	EPA 525.2	0.022	0.1			EUM
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Alachlor	n/a	=	139	%	EPA 525.2	-88	-88	55	124	EUM
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Alachlor	n/a	=	5.79	µg/L	EPA 525.2	0.022	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Alachlor	n/a	=	116	%	EPA 525.2	-88	-88	55	124	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Alachlor	n/a	=	22	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Alachlor	n/a	=	7.22	µg/L	EPA 525.2	0.022	0.1			EUM
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Alachlor	n/a	=	144	%	EPA 525.2	-88	-88	55	124	EUM
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Aldrin	n/a	=	0.0357	µg/L	EPA 608	0.0015	0.005			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Aldrin	n/a	=	36	%	EPA 608	-88	-88	18	110	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Aldrin	n/a	=	0.0388	µg/L	EPA 608	0.0015	0.005			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Aldrin	n/a	=	39	%	EPA 608	-88	-88	18	110	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Aldrin	n/a	=	8	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	Aldrin	n/a	=	0.0962	µg/L	EPA 608	0.0015	0.005			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	Aldrin	n/a	=	96	%	EPA 608	-88	-88	18	117	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	Aldrin	n/a	=	0.0987	µg/L	EPA 608	0.0015	0.005			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	Aldrin	n/a	=	99	%	EPA 608	-88	-88	18	117	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	Aldrin	n/a	=	3	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Aldrin	n/a	=	0.0758	µg/L	EPA 608	0.0015	0.005			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Aldrin	n/a	=	76	%	EPA 608	-88	-88	18	117	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Aldrin	n/a	=	0.0768	µg/L	EPA 608	0.0015	0.005			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Aldrin	n/a	=	77	%	EPA 608	-88	-88	18	117	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Aldrin	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Aldrin	n/a	=	0.0774	µg/L	EPA 608	0.0015	0.005			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Aldrin	n/a	=	77	%	EPA 608	-88	-88	18	117	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	alpha-BHC	n/a	=	0.0653	µg/L	EPA 608	0.0018	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	alpha-BHC	n/a	=	65	%	EPA 608	-88	-88	43	114	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	alpha-BHC	n/a	=	0.0686	µg/L	EPA 608	0.0018	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	alpha-BHC	n/a	=	69	%	EPA 608	-88	-88	43	114	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	alpha-BHC	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	alpha-BHC	n/a	=	0.103	µg/L	EPA 608	0.0018	0.01			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	alpha-BHC	n/a	=	103	%	EPA 608	-88	-88	47	119	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	alpha-BHC	n/a	=	0.107	µg/L	EPA 608	0.0018	0.01			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	alpha-BHC	n/a	=	107	%	EPA 608	-88	-88	47	119	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	alpha-BHC	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	alpha-BHC	n/a	=	0.0822	µg/L	EPA 608	0.0018	0.01			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	alpha-BHC	n/a	=	82	%	EPA 608	-88	-88	47	119	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	alpha-BHC	n/a	=	0.0835	µg/L	EPA 608	0.0018	0.01			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	alpha-BHC	n/a	=	84	%	EPA 608	-88	-88	47	119	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	alpha-BHC	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	alpha-BHC	n/a	=	0.0951	µg/L	EPA 608	0.0018	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	alpha-BHC	n/a	=	95	%	EPA 608	-88	-88	47	119	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2014/15-6	Lab	method blank	7/11/2015	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2014/15-6	Lab	method blank	7/15/2015	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01			
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Atrazine	n/a	=	5.29	µg/L	EPA 525.2	0.034	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Atrazine	n/a	=	106	%	EPA 525.2	-88	-88	67	131	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Atrazine	n/a	=	4.91	µg/L	EPA 525.2	0.034	0.1			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Atrazine	n/a	=	98	%	EPA 525.2	-88	-88	67	131	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Atrazine	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Atrazine	n/a	=	5.29	µg/L	EPA 525.2	0.034	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Atrazine	n/a	=	106	%	EPA 525.2	-88	-88	67	131	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Atrazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Atrazine	n/a	=	5.39	µg/L	EPA 525.2	0.034	0.1			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Atrazine	n/a	=	108	%	EPA 525.2	-88	-88	67	131	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Atrazine	n/a	=	4.91	µg/L	EPA 525.2	0.034	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Atrazine	n/a	=	98	%	EPA 525.2	-88	-88	67	131	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Atrazine	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Atrazine	n/a	=	5	µg/L	EPA 525.2	0.034	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Atrazine	n/a	=	100	%	EPA 525.2	-88	-88	67	131	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Azinphos methyl	n/a	=	0.118	µg/L	EPA 525.2m	0.0055	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Azinphos methyl	n/a	=	236	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Azinphos methyl	n/a	=	0.126	µg/L	EPA 525.2m	0.0055	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Azinphos methyl	n/a	=	252	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Azinphos methyl	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Azinphos methyl	n/a	=	0.0978	µg/L	EPA 525.2m	0.0055	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Azinphos methyl	n/a	=	196	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Azinphos methyl	n/a	=	0.0927	µg/L	EPA 525.2m	0.0055	0.01			GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Azinphos methyl	n/a	=	185	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Azinphos methyl	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Azinphos methyl	n/a	=	0.0775	µg/L	EPA 525.2m	0.0055	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Azinphos methyl	n/a	=	155	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Azinphos methyl	n/a	=	0.0817	µg/L	EPA 525.2m	0.0055	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Azinphos methyl	n/a	=	163	%	EPA 525.2m	-88	-88	0.1	154	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Azinphos methyl	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Azinphos methyl	n/a	=	0.066	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Azinphos methyl	n/a	=	132	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Azinphos methyl	n/a	=	0.0634	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Azinphos methyl	n/a	=	127	%	EPA 525.2m	-88	-88	0.1	154	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Azinphos methyl	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Azinphos methyl	n/a	=	0.115	µg/L	EPA 525.2m	0.0055	0.01			EUM
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Azinphos methyl	n/a	=	230	%	EPA 525.2m	-88	-88	0.1	188	EUM
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Azinphos methyl	n/a	=	0.0922	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Azinphos methyl	n/a	=	184	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Azinphos methyl	n/a	=	0.0882	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Azinphos methyl	n/a	=	176	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Azinphos methyl	n/a	=	0.0822	µg/L	EPA 525.2m	0.0055	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Azinphos methyl	n/a	=	164	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	Bentazon	n/a	=	16.4	µg/L	EPA 515.3	0.11	2			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	Bentazon	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	Bentazon	n/a	=	16.4	µg/L	EPA 515.3	0.11	2			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	Bentazon	n/a	=	102	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	Bentazon	n/a	=	0.4	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	Bentazon	n/a	=	15.3	µg/L	EPA 515.3	0.11	2			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	Bentazon	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	Bentazon	n/a	=	18.6	µg/L	EPA 515.3	0.11	2			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	Bentazon	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	Bentazon	n/a	=	17.1	µg/L	EPA 515.3	0.11	2			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	Bentazon	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	Bentazon	n/a	=	17.7	µg/L	EPA 515.3	0.11	2			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	Bentazon	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	Bentazon	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	Bentazon	n/a	=	17.8	µg/L	EPA 515.3	0.11	2			
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	Bentazon	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	Bentazon	n/a	=	17.4	µg/L	EPA 515.3	0.11	2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	Bentazon	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	Bentazon	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	beta-BHC	n/a	=	0.109	µg/L	EPA 608	0.0031	0.005			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	beta-BHC	n/a	=	109	%	EPA 608	-88	-88	24	135	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	beta-BHC	n/a	=	0.114	µg/L	EPA 608	0.0031	0.005			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	beta-BHC	n/a	=	114	%	EPA 608	-88	-88	24	135	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	beta-BHC	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	beta-BHC	n/a	=	0.119	µg/L	EPA 608	0.0031	0.005			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	beta-BHC	n/a	=	119	%	EPA 608	-88	-88	53	123	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	beta-BHC	n/a	=	0.122	µg/L	EPA 608	0.0031	0.005			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	beta-BHC	n/a	=	122	%	EPA 608	-88	-88	53	123	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	beta-BHC	n/a	=	3	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	beta-BHC	n/a	=	0.088	µg/L	EPA 608	0.0031	0.005			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	beta-BHC	n/a	=	88	%	EPA 608	-88	-88	53	123	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	beta-BHC	n/a	=	0.0888	µg/L	EPA 608	0.0031	0.005			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	beta-BHC	n/a	=	89	%	EPA 608	-88	-88	53	123	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	beta-BHC	n/a	=	0.9	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	beta-BHC	n/a	=	0.103	µg/L	EPA 608	0.0031	0.005			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	beta-BHC	n/a	=	103	%	EPA 608	-88	-88	53	123	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Bolstar	n/a	=	0.0641	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Bolstar	n/a	=	128	%	EPA 525.2m	-88	-88	4	184	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Bolstar	n/a	=	0.0572	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Bolstar	n/a	=	114	%	EPA 525.2m	-88	-88	4	184	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Bolstar	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Bolstar	n/a	=	0.0499	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Bolstar	n/a	=	100	%	EPA 525.2m	-88	-88	4	184	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Bolstar	n/a	=	0.0463	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Bolstar	n/a	=	93	%	EPA 525.2m	-88	-88	4	184	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Bolstar	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Bolstar	n/a	=	0.04	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Bolstar	n/a	=	80	%	EPA 525.2m	-88	-88	4	184	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Bolstar	n/a	=	0.0408	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Bolstar	n/a	=	82	%	EPA 525.2m	-88	-88	4	184	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Bolstar	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Bolstar	n/a	=	0.0377	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Bolstar	n/a	=	75	%	EPA 525.2m	-88	-88	4	184	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Bolstar	n/a	=	0.0385	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Bolstar	n/a	=	77	%	EPA 525.2m	-88	-88	4	184	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Bolstar	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Bolstar	n/a	=	0.0526	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Bolstar	n/a	=	105	%	EPA 525.2m	-88	-88	11	166	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Bolstar	n/a	=	0.0455	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Bolstar	n/a	=	91	%	EPA 525.2m	-88	-88	11	166	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Bolstar	n/a	=	0.0425	µg/L	EPA 525.2m	0.0046	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Bolstar	n/a	=	85	%	EPA 525.2m	-88	-88	11	166	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Bolstar	n/a	=	0.0467	µg/L	EPA 525.2m	0.0046	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Bolstar	n/a	=	93	%	EPA 525.2m	-88	-88	11	166	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Bromacil	n/a	=	4.13	µg/L	EPA 525.2	0.038	1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Bromacil	n/a	=	83	%	EPA 525.2	-88	-88	62	139	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Bromacil	n/a	=	4.93	µg/L	EPA 525.2	0.038	1			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Bromacil	n/a	=	99	%	EPA 525.2	-88	-88	62	139	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Bromacil	n/a	=	18	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Bromacil	n/a	=	6.47	µg/L	EPA 525.2	0.038	1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Bromacil	n/a	=	129	%	EPA 525.2	-88	-88	62	139	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Bromacil	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Bromacil	n/a	=	7.14	µg/L	EPA 525.2	0.038	1			EUM
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Bromacil	n/a	=	143	%	EPA 525.2	-88	-88	62	139	EUM
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Bromacil	n/a	=	5.81	µg/L	EPA 525.2	0.038	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Bromacil	n/a	=	116	%	EPA 525.2	-88	-88	62	139	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Bromacil	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Bromacil	n/a	=	6.51	µg/L	EPA 525.2	0.038	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Bromacil	n/a	=	130	%	EPA 525.2	-88	-88	62	139	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Butachlor	n/a	=	4.93	µg/L	EPA 525.2	0.017	0.2			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Butachlor	n/a	=	99	%	EPA 525.2	-88	-88	61	127	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Butachlor	n/a	=	6.27	µg/L	EPA 525.2	0.017	0.2			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Butachlor	n/a	=	125	%	EPA 525.2	-88	-88	61	127	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Butachlor	n/a	=	24	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Butachlor	n/a	=	5.79	µg/L	EPA 525.2	0.017	0.2			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Butachlor	n/a	=	116	%	EPA 525.2	-88	-88	61	127	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Butachlor	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Butachlor	n/a	=	6.74	µg/L	EPA 525.2	0.017	0.2			EUM
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Butachlor	n/a	=	135	%	EPA 525.2	-88	-88	61	127	EUM
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Butachlor	n/a	=	5.4	µg/L	EPA 525.2	0.017	0.2			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Butachlor	n/a	=	108	%	EPA 525.2	-88	-88	61	127	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Butachlor	n/a	=	18	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Butachlor	n/a	=	6.5	µg/L	EPA 525.2	0.017	0.2			EUM
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Butachlor	n/a	=	130	%	EPA 525.2	-88	-88	61	127	EUM
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Captan	n/a	=	5.73	µg/L	EPA 525.2	0.86	1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Captan	n/a	=	115	%	EPA 525.2	-88	-88	14	159	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Captan	n/a	=	5.31	µg/L	EPA 525.2	0.86	1			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Captan	n/a	=	106	%	EPA 525.2	-88	-88	14	159	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Captan	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Captan	n/a	=	5.07	µg/L	EPA 525.2	0.86	1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Captan	n/a	=	101	%	EPA 525.2	-88	-88	14	159	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Captan	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Captan	n/a	=	5.41	µg/L	EPA 525.2	0.86	1			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Captan	n/a	=	108	%	EPA 525.2	-88	-88	14	159	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Captan	n/a	=	3.18	µg/L	EPA 525.2	0.86	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Captan	n/a	=	64	%	EPA 525.2	-88	-88	14	159	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Captan	n/a	=	39	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Captan	n/a	=	2.15	µg/L	EPA 525.2	0.86	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Captan	n/a	=	43	%	EPA 525.2	-88	-88	14	159	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2014/15-6	Lab	method blank	7/15/2015	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1			
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Chloroprotham	n/a	=	6.21	µg/L	EPA 525.2	0.01	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Chloroprotham	n/a	=	124	%	EPA 525.2	-88	-88	77	143	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Chloroprotham	n/a	=	5.72	µg/L	EPA 525.2	0.01	0.1			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Chloroprotham	n/a	=	114	%	EPA 525.2	-88	-88	77	143	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Chloroprotham	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Chloroprotham	n/a	=	5.74	µg/L	EPA 525.2	0.01	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Chloroprotham	n/a	=	115	%	EPA 525.2	-88	-88	77	143	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Chloroprotham	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Chloroprotham	n/a	=	5.61	µg/L	EPA 525.2	0.01	0.1			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Chloroprotham	n/a	=	112	%	EPA 525.2	-88	-88	77	143	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Chloroprotham	n/a	=	5.3	µg/L	EPA 525.2	0.01	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Chloroprotham	n/a	=	106	%	EPA 525.2	-88	-88	77	143	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Chloroprotham	n/a	=	0.8	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Chloroprotham	n/a	=	5.26	µg/L	EPA 525.2	0.01	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Chloroprotham	n/a	=	105	%	EPA 525.2	-88	-88	77	143	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Chlorpyrifos	n/a	=	0.0695	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Chlorpyrifos	n/a	=	139	%	EPA 525.2m	-88	-88	37	168	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Chlorpyrifos	n/a	=	0.0725	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Chlorpyrifos	n/a	=	145	%	EPA 525.2m	-88	-88	37	168	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Chlorpyrifos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Chlorpyrifos	n/a	=	0.0663	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Chlorpyrifos	n/a	=	133	%	EPA 525.2m	-88	-88	37	168	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Chlorpyrifos	n/a	=	0.0658	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Chlorpyrifos	n/a	=	132	%	EPA 525.2m	-88	-88	37	168	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Chlorpyrifos	n/a	=	0.7	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Chlorpyrifos	n/a	=	0.0604	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Chlorpyrifos	n/a	=	121	%	EPA 525.2m	-88	-88	37	168	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Chlorpyrifos	n/a	=	0.0663	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Chlorpyrifos	n/a	=	133	%	EPA 525.2m	-88	-88	37	168	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Chlorpyrifos	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Chlorpyrifos	n/a	=	0.081	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Chlorpyrifos	n/a	=	162	%	EPA 525.2m	-88	-88	37	168	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Chlorpyrifos	n/a	=	0.0703	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Chlorpyrifos	n/a	=	141	%	EPA 525.2m	-88	-88	37	168	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Chlorpyrifos	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Chlorpyrifos	n/a	=	0.0622	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Chlorpyrifos	n/a	=	124	%	EPA 525.2m	-88	-88	37	169	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Chlorpyrifos	n/a	=	0.0579	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Chlorpyrifos	n/a	=	116	%	EPA 525.2m	-88	-88	37	169	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Chlorpyrifos	n/a	=	0.0522	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Chlorpyrifos	n/a	=	104	%	EPA 525.2m	-88	-88	37	169	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Chlorpyrifos	n/a	=	0.0515	µg/L	EPA 525.2m	0.0069	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Chlorpyrifos	n/a	=	103	%	EPA 525.2m	-88	-88	37	169	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Coumaphos	n/a	=	0.1	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Coumaphos	n/a	=	201	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Coumaphos	n/a	=	0.113	µg/L	EPA 525.2m	0.0051	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Coumaphos	n/a	=	225	%	EPA 525.2m	-88	-88	0.1	203	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Coumaphos	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Coumaphos	n/a	=	0.0993	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Coumaphos	n/a	=	199	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Coumaphos	n/a	=	0.0961	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Coumaphos	n/a	=	192	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Coumaphos	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Coumaphos	n/a	=	0.0533	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Coumaphos	n/a	=	107	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Coumaphos	n/a	=	0.0535	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Coumaphos	n/a	=	107	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Coumaphos	n/a	=	0.3	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Coumaphos	n/a	=	0.0578	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Coumaphos	n/a	=	116	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Coumaphos	n/a	=	0.055	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Coumaphos	n/a	=	110	%	EPA 525.2m	-88	-88	0.1	203	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Coumaphos	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Coumaphos	n/a	=	0.104	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Coumaphos	n/a	=	207	%	EPA 525.2m	-88	-88	0.1	225	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Coumaphos	n/a	=	0.0799	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Coumaphos	n/a	=	160	%	EPA 525.2m	-88	-88	0.1	225	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Coumaphos	n/a	=	0.0604	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Coumaphos	n/a	=	121	%	EPA 525.2m	-88	-88	0.1	225	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Coumaphos	n/a	=	0.0646	µg/L	EPA 525.2m	0.0051	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Coumaphos	n/a	=	129	%	EPA 525.2m	-88	-88	0.1	225	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Cyanazine	n/a	=	4.44	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Cyanazine	n/a	=	89	%	EPA 525.2	-88	-88	61	129	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Cyanazine	n/a	=	3.85	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Cyanazine	n/a	=	77	%	EPA 525.2	-88	-88	61	129	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Cyanazine	n/a	=	14	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Cyanazine	n/a	=	4.28	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Cyanazine	n/a	=	86	%	EPA 525.2	-88	-88	61	129	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Cyanazine	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Cyanazine	n/a	=	4.01	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Cyanazine	n/a	=	80	%	EPA 525.2	-88	-88	61	129	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Cyanazine	n/a	=	4.08	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Cyanazine	n/a	=	82	%	EPA 525.2	-88	-88	61	129	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Cyanazine	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Cyanazine	n/a	=	3.81	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Cyanazine	n/a	=	76	%	EPA 525.2	-88	-88	61	129	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	Dalapon	n/a	=	10.1	µg/L	EPA 515.3	0.1	0.4			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	Dalapon	n/a	=	126	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	Dalapon	n/a	=	10.3	µg/L	EPA 515.3	0.1	0.4			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	Dalapon	n/a	=	128	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	Dalapon	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	Dalapon	n/a	=	9.77	µg/L	EPA 515.3	0.1	0.4			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	Dalapon	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	Dalapon	n/a	=	11.7	µg/L	EPA 515.3	0.1	0.4			EUM
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	Dalapon	n/a	=	146	%	EPA 515.3	-88	-88	70	130	EUM
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	Dalapon	n/a	=	11.2	µg/L	EPA 515.3	0.1	0.4			GB
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	Dalapon	n/a	=	140	%	EPA 515.3	-88	-88	70	130	GB
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	Dalapon	n/a	=	11.5	µg/L	EPA 515.3	0.1	0.4			GB
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	Dalapon	n/a	=	143	%	EPA 515.3	-88	-88	70	130	GB
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	Dalapon	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	Dalapon	n/a	=	10.9	µg/L	EPA 515.3	0.1	0.4			GB
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	Dalapon	n/a	=	136	%	EPA 515.3	-88	-88	70	130	GB
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	Dalapon	n/a	=	10.9	µg/L	EPA 515.3	0.1	0.4			GB
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	Dalapon	n/a	=	136	%	EPA 515.3	-88	-88	70	130	GB
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	Dalapon	n/a	=	0.2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.82	µg/L	EPA 515.3	0.07	0.1			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	DCPA (Dacthal)	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.86	µg/L	EPA 515.3	0.07	0.1			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	DCPA (Dacthal)	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	DCPA (Dacthal)	n/a	=	0.9	%	EPA 515.3	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	DCPA (Dacthal)	n/a	=	3.67	µg/L	EPA 515.3	0.07	0.1			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	DCPA (Dacthal)	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	DCPA (Dacthal)	n/a	=	4.97	µg/L	EPA 515.3	0.07	0.1			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	DCPA (Dacthal)	n/a	=	124	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	DCPA (Dacthal)	n/a	=	4.64	µg/L	EPA 515.3	0.07	0.1			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	DCPA (Dacthal)	n/a	=	114	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	DCPA (Dacthal)	n/a	=	4.79	µg/L	EPA 515.3	0.07	0.1			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	DCPA (Dacthal)	n/a	=	118	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	DCPA (Dacthal)	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	DCPA (Dacthal)	n/a	=	4.75	µg/L	EPA 515.3	0.07	0.1			
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	DCPA (Dacthal)	n/a	=	119	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	DCPA (Dacthal)	n/a	=	4.66	µg/L	EPA 515.3	0.07	0.1			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	DCPA (Dacthal)	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	DCPA (Dacthal)	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	delta-BHC	n/a	=	0.0647	µg/L	EPA 608	0.0025	0.005			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	delta-BHC	n/a	=	65	%	EPA 608	-88	-88	37	122	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	delta-BHC	n/a	=	0.066	µg/L	EPA 608	0.0025	0.005			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	delta-BHC	n/a	=	66	%	EPA 608	-88	-88	37	122	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	delta-BHC	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	delta-BHC	n/a	=	0.121	µg/L	EPA 608	0.0025	0.005			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	delta-BHC	n/a	=	121	%	EPA 608	-88	-88	51	123	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	delta-BHC	n/a	=	0.125	µg/L	EPA 608	0.0025	0.005			EUM
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	delta-BHC	n/a	=	125	%	EPA 608	-88	-88	51	123	EUM
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	delta-BHC	n/a	=	3	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	delta-BHC	n/a	=	0.088	µg/L	EPA 608	0.0025	0.005			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	delta-BHC	n/a	=	88	%	EPA 608	-88	-88	51	123	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	delta-BHC	n/a	=	0.0874	µg/L	EPA 608	0.0025	0.005			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	delta-BHC	n/a	=	87	%	EPA 608	-88	-88	51	123	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	delta-BHC	n/a	=	0.7	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	delta-BHC	n/a	=	0.109	µg/L	EPA 608	0.0025	0.005			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	delta-BHC	n/a	=	109	%	EPA 608	-88	-88	51	123	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Demeton-O	n/a	=	0.0465	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Demeton-O	n/a	=	93	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Demeton-O	n/a	=	0.0447	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Demeton-O	n/a	=	89	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Demeton-O	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Demeton-O	n/a	=	0.0426	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Demeton-O	n/a	=	85	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Demeton-O	n/a	=	0.0388	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Demeton-O	n/a	=	78	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Demeton-O	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Demeton-O	n/a	=	0.0387	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Demeton-O	n/a	=	77	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Demeton-O	n/a	=	0.0378	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Demeton-O	n/a	=	76	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Demeton-O	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Demeton-O	n/a	=	0.0145	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Demeton-O	n/a	=	29	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Demeton-O	n/a	=	0.0152	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Demeton-O	n/a	=	30	%	EPA 525.2m	-88	-88	0.1	208	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Demeton-O	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Demeton-O	n/a	=	0.0244	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Demeton-O	n/a	=	49	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Demeton-O	n/a	=	0.0327	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Demeton-O	n/a	=	65	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Demeton-O	n/a	=	0.0267	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Demeton-O	n/a	=	53	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Demeton-O	n/a	=	0.0239	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Demeton-O	n/a	=	48	%	EPA 525.2m	-88	-88	0.1	211	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Demeton-S	n/a	=	0.0838	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Demeton-S	n/a	=	168	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Demeton-S	n/a	=	0.0767	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Demeton-S	n/a	=	153	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Demeton-S	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Demeton-S	n/a	=	0.0769	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Demeton-S	n/a	=	154	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Demeton-S	n/a	=	0.081	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Demeton-S	n/a	=	162	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Demeton-S	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Demeton-S	n/a	=	0.0547	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Demeton-S	n/a	=	109	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Demeton-S	n/a	=	0.0622	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Demeton-S	n/a	=	124	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Demeton-S	n/a	=	13	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Demeton-S	n/a	=	0.0717	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Demeton-S	n/a	=	143	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Demeton-S	n/a	=	0.0592	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Demeton-S	n/a	=	118	%	EPA 525.2m	-88	-88	0.1	207	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Demeton-S	n/a	=	19	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Demeton-S	n/a	=	0.073	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Demeton-S	n/a	=	146	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Demeton-S	n/a	=	0.0541	µg/L	EPA 525.2m	0.01	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Demeton-S	n/a	=	108	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Demeton-S	n/a	=	0.0488	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Demeton-S	n/a	=	98	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Demeton-S	n/a	=	0.0594	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Demeton-S	n/a	=	119	%	EPA 525.2m	-88	-88	0.1	213	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Diazinon	n/a	=	0.0659	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Diazinon	n/a	=	132	%	EPA 525.2m	-88	-88	36	153	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Diazinon	n/a	=	0.0587	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Diazinon	n/a	=	117	%	EPA 525.2m	-88	-88	36	153	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Diazinon	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Diazinon	n/a	=	0.0653	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Diazinon	n/a	=	116	%	EPA 525.2m	-88	-88	36	153	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Diazinon	n/a	=	0.0734	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Diazinon	n/a	=	132	%	EPA 525.2m	-88	-88	36	153	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Diazinon	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Diazinon	n/a	=	0.0505	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Diazinon	n/a	=	101	%	EPA 525.2m	-88	-88	36	153	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Diazinon	n/a	=	0.0557	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Diazinon	n/a	=	111	%	EPA 525.2m	-88	-88	36	153	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Diazinon	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Diazinon	n/a	=	0.0396	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Diazinon	n/a	=	79	%	EPA 525.2m	-88	-88	36	153	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Diazinon	n/a	=	0.0354	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Diazinon	n/a	=	71	%	EPA 525.2m	-88	-88	36	153	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Diazinon	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Diazinon	n/a	=	4.08	µg/L	EPA 525.2	0.096	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Diazinon	n/a	=	82	%	EPA 525.2	-88	-88	30	120	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Diazinon	n/a	=	6.4	µg/L	EPA 525.2	0.096	0.1			EUM
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Diazinon	n/a	=	128	%	EPA 525.2	-88	-88	30	120	EUM
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Diazinon	n/a	=	44	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Diazinon	n/a	=	0.0509	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Diazinon	n/a	=	102	%	EPA 525.2m	-88	-88	43	152	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Diazinon	n/a	=	4.67	µg/L	EPA 525.2	0.096	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Diazinon	n/a	=	93	%	EPA 525.2	-88	-88	30	120	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Diazinon	n/a	=	18	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Diazinon	n/a	=	5.58	µg/L	EPA 525.2	0.096	0.1			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Diazinon	n/a	=	112	%	EPA 525.2	-88	-88	30	120	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Diazinon	n/a	=	0.0552	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Diazinon	n/a	=	110	%	EPA 525.2m	-88	-88	43	152	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Diazinon	n/a	=	6.06	µg/L	EPA 525.2	0.096	0.1			EUM

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Diazinon	n/a	=	121	%	EPA 525.2	-88	-88	30	120	EUM
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Diazinon	n/a	=	22	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Diazinon	n/a	=	7.58	µg/L	EPA 525.2	0.096	0.1			EUM
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Diazinon	n/a	=	152	%	EPA 525.2	-88	-88	30	120	EUM
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Diazinon	n/a	DNQ	0.0099	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Diazinon	n/a	=	0.0449	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Diazinon	n/a	=	90	%	EPA 525.2m	-88	-88	43	152	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Diazinon	n/a	=	0.0354	µg/L	EPA 525.2m	0.0052	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Diazinon	n/a	=	71	%	EPA 525.2m	-88	-88	43	152	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	Dicamba	n/a	=	8.21	µg/L	EPA 515.3	0.12	0.6			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	Dicamba	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	Dicamba	n/a	=	7.99	µg/L	EPA 515.3	0.12	0.6			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	Dicamba	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	Dicamba	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	Dicamba	n/a	=	7.63	µg/L	EPA 515.3	0.12	0.6			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	Dicamba	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	Dicamba	n/a	=	9.38	µg/L	EPA 515.3	0.12	0.6			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	Dicamba	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	Dicamba	n/a	=	8.72	µg/L	EPA 515.3	0.12	0.6			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	Dicamba	n/a	=	109	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	Dicamba	n/a	=	8.9	µg/L	EPA 515.3	0.12	0.6			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	Dicamba	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	Dicamba	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	Dicamba	n/a	=	8.97	µg/L	EPA 515.3	0.12	0.6			
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	Dicamba	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	Dicamba	n/a	=	8.86	µg/L	EPA 515.3	0.12	0.6			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	Dicamba	n/a	=	111	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	Dicamba	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	Dichlorprop	n/a	=	8.25	µg/L	EPA 515.3	0.08	0.3			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	Dichlorprop	n/a	=	103	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	Dichlorprop	n/a	=	8.29	µg/L	EPA 515.3	0.08	0.3			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	Dichlorprop	n/a	=	104	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	Dichlorprop	n/a	=	0.6	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	Dichlorprop	n/a	=	7.31	µg/L	EPA 515.3	0.08	0.3			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	Dichlorprop	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	Dichlorprop	n/a	=	10.2	µg/L	EPA 515.3	0.08	0.3			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	Dichlorprop	n/a	=	128	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	Dichlorprop	n/a	=	9.57	µg/L	EPA 515.3	0.08	0.3			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	Dichlorprop	n/a	=	120	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	Dichlorprop	n/a	=	9.79	µg/L	EPA 515.3	0.08	0.3			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	Dichlorprop	n/a	=	122	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	Dichlorprop	n/a	=	2	%	EPA 515.3	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	Dichlorprop	n/a	=	10	µg/L	EPA 515.3	0.08	0.3			
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	Dichlorprop	n/a	=	125	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	Dichlorprop	n/a	=	9.28	µg/L	EPA 515.3	0.08	0.3			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	Dichlorprop	n/a	=	116	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	Dichlorprop	n/a	=	8	%	EPA 515.3	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Dichlorvos	n/a	=	0.0652	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Dichlorvos	n/a	=	130	%	EPA 525.2m	-88	-88	42	137	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Dichlorvos	n/a	=	0.0581	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Dichlorvos	n/a	=	116	%	EPA 525.2m	-88	-88	42	137	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Dichlorvos	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Dichlorvos	n/a	=	0.0551	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Dichlorvos	n/a	=	110	%	EPA 525.2m	-88	-88	42	137	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Dichlorvos	n/a	=	0.06	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Dichlorvos	n/a	=	120	%	EPA 525.2m	-88	-88	42	137	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Dichlorvos	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Dichlorvos	n/a	=	0.0497	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Dichlorvos	n/a	=	99	%	EPA 525.2m	-88	-88	42	137	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Dichlorvos	n/a	=	0.0511	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Dichlorvos	n/a	=	102	%	EPA 525.2m	-88	-88	42	137	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Dichlorvos	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Dichlorvos	n/a	=	0.0494	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Dichlorvos	n/a	=	99	%	EPA 525.2m	-88	-88	42	137	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Dichlorvos	n/a	=	0.0508	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Dichlorvos	n/a	=	102	%	EPA 525.2m	-88	-88	42	137	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Dichlorvos	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Dichlorvos	n/a	=	0.0602	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Dichlorvos	n/a	=	120	%	EPA 525.2m	-88	-88	46	133	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Dichlorvos	n/a	=	0.0474	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Dichlorvos	n/a	=	95	%	EPA 525.2m	-88	-88	46	133	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Dichlorvos	n/a	=	0.0477	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Dichlorvos	n/a	=	95	%	EPA 525.2m	-88	-88	46	133	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Dichlorvos	n/a	=	0.0487	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Dichlorvos	n/a	=	97	%	EPA 525.2m	-88	-88	46	133	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Dieldrin	n/a	=	0.139	µg/L	EPA 608	0.0021	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Dieldrin	n/a	=	139	%	EPA 608	-88	-88	27	132	GB
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Dieldrin	n/a	=	0.174	µg/L	EPA 608	0.0021	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Dieldrin	n/a	=	174	%	EPA 608	-88	-88	27	132	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Dieldrin	n/a	=	22	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	Dieldrin	n/a	=	0.101	µg/L	EPA 608	0.0021	0.01			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	Dieldrin	n/a	=	101	%	EPA 608	-88	-88	48	123	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	Dieldrin	n/a	=	0.103	µg/L	EPA 608	0.0021	0.01			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	Dieldrin	n/a	=	103	%	EPA 608	-88	-88	48	123	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	Dieldrin	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Dieldrin	n/a	=	0.0814	µg/L	EPA 608	0.0021	0.01			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Dieldrin	n/a	=	81	%	EPA 608	-88	-88	48	123	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Dieldrin	n/a	=	0.0825	µg/L	EPA 608	0.0021	0.01			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Dieldrin	n/a	=	82	%	EPA 608	-88	-88	48	123	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Dieldrin	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Dieldrin	n/a	=	0.0901	µg/L	EPA 608	0.0021	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Dieldrin	n/a	=	90	%	EPA 608	-88	-88	48	123	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Dimethoate	n/a	=	0.112	µg/L	EPA 525.2m	0.0062	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Dimethoate	n/a	=	225	%	EPA 525.2m	-88	-88	4	222	GB
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Dimethoate	n/a	=	0.109	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Dimethoate	n/a	=	217	%	EPA 525.2m	-88	-88	4	222	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Dimethoate	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Dimethoate	n/a	=	0.113	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Dimethoate	n/a	=	188	%	EPA 525.2m	-88	-88	4	222	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Dimethoate	n/a	=	0.123	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Dimethoate	n/a	=	207	%	EPA 525.2m	-88	-88	4	222	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Dimethoate	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Dimethoate	n/a	=	0.0807	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Dimethoate	n/a	=	161	%	EPA 525.2m	-88	-88	4	222	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Dimethoate	n/a	=	0.105	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Dimethoate	n/a	=	210	%	EPA 525.2m	-88	-88	4	222	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Dimethoate	n/a	=	26	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Dimethoate	n/a	=	0.104	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Dimethoate	n/a	=	208	%	EPA 525.2m	-88	-88	4	222	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Dimethoate	n/a	=	0.0955	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Dimethoate	n/a	=	191	%	EPA 525.2m	-88	-88	4	222	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Dimethoate	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Dimethoate	n/a	=	5.25	µg/L	EPA 525.2	0.024	0.2			EUM
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Dimethoate	n/a	=	105	%	EPA 525.2	-88	-88	38	102	EUM
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Dimethoate	n/a	=	4.51	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Dimethoate	n/a	=	90	%	EPA 525.2	-88	-88	38	102	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Dimethoate	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Dimethoate	n/a	=	0.115	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Dimethoate	n/a	=	231	%	EPA 525.2m	-88	-88	10	234	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Dimethoate	n/a	=	3.22	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Dimethoate	n/a	=	64	%	EPA 525.2	-88	-88	38	102	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Dimethoate	n/a	=	13	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Dimethoate	n/a	=	3.67	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Dimethoate	n/a	=	73	%	EPA 525.2	-88	-88	38	102	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Dimethoate	n/a	=	0.0905	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Dimethoate	n/a	=	181	%	EPA 525.2m	-88	-88	10	234	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Dimethoate	n/a	=	2.76	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Dimethoate	n/a	=	55	%	EPA 525.2	-88	-88	38	102	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Dimethoate	n/a	=	41	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Dimethoate	n/a	=	4.17	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Dimethoate	n/a	=	83	%	EPA 525.2	-88	-88	38	102	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Dimethoate	n/a	=	0.0235	µg/L	EPA 525.2m	0.0062	0.01			IP
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Dimethoate	n/a	=	0.0976	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Dimethoate	n/a	=	195	%	EPA 525.2m	-88	-88	10	234	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Dimethoate	n/a	=	0.0921	µg/L	EPA 525.2m	0.0062	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Dimethoate	n/a	=	184	%	EPA 525.2m	-88	-88	10	234	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	Dinoseb	n/a	=	3.58	µg/L	EPA 515.3	0.14	0.4			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	Dinoseb	n/a	=	90	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	Dinoseb	n/a	=	3.63	µg/L	EPA 515.3	0.14	0.4			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	Dinoseb	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	Dinoseb	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	Dinoseb	n/a	=	3.39	µg/L	EPA 515.3	0.14	0.4			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	Dinoseb	n/a	=	85	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	Dinoseb	n/a	=	4.02	µg/L	EPA 515.3	0.14	0.4			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	Dinoseb	n/a	=	101	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	Dinoseb	n/a	=	3.71	µg/L	EPA 515.3	0.14	0.4			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	Dinoseb	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	Dinoseb	n/a	=	3.79	µg/L	EPA 515.3	0.14	0.4			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	Dinoseb	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	Dinoseb	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	Dinoseb	n/a	=	3.88	µg/L	EPA 515.3	0.14	0.4			
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	Dinoseb	n/a	=	97	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	Dinoseb	n/a	=	3.76	µg/L	EPA 515.3	0.14	0.4			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	Dinoseb	n/a	=	94	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	Dinoseb	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Diphenamid	n/a	=	4.73	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Diphenamid	n/a	=	95	%	EPA 525.2	-88	-88	77	124	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Diphenamid	n/a	=	4.55	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Diphenamid	n/a	=	91	%	EPA 525.2	-88	-88	77	124	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Diphenamid	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Diphenamid	n/a	=	5.04	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Diphenamid	n/a	=	101	%	EPA 525.2	-88	-88	77	124	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Diphenamid	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Diphenamid	n/a	=	5.28	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Diphenamid	n/a	=	106	%	EPA 525.2	-88	-88	77	124	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Diphenamid	n/a	=	4.73	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Diphenamid	n/a	=	95	%	EPA 525.2	-88	-88	77	124	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Diphenamid	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Diphenamid	n/a	=	4.79	µg/L	EPA 525.2	0.024	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Diphenamid	n/a	=	96	%	EPA 525.2	-88	-88	77	124	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Disulfoton	n/a	=	0.0704	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Disulfoton	n/a	=	141	%	EPA 525.2m	-88	-88	12	199	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Disulfoton	n/a	=	0.0688	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Disulfoton	n/a	=	138	%	EPA 525.2m	-88	-88	12	199	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Disulfoton	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Disulfoton	n/a	=	0.0589	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Disulfoton	n/a	=	118	%	EPA 525.2m	-88	-88	12	199	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Disulfoton	n/a	=	0.0615	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Disulfoton	n/a	=	123	%	EPA 525.2m	-88	-88	12	199	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Disulfoton	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Disulfoton	n/a	=	0.0577	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Disulfoton	n/a	=	115	%	EPA 525.2m	-88	-88	12	199	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Disulfoton	n/a	=	0.0592	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Disulfoton	n/a	=	118	%	EPA 525.2m	-88	-88	12	199	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Disulfoton	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Disulfoton	n/a	=	0.0498	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Disulfoton	n/a	=	100	%	EPA 525.2m	-88	-88	12	199	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Disulfoton	n/a	=	0.0445	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Disulfoton	n/a	=	89	%	EPA 525.2m	-88	-88	12	199	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Disulfoton	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Disulfoton	n/a	=	3.59	µg/L	EPA 525.2	0.031	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Disulfoton	n/a	=	72	%	EPA 525.2	-88	-88	54	156	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Disulfoton	n/a	=	6.02	µg/L	EPA 525.2	0.031	0.1			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Disulfoton	n/a	=	120	%	EPA 525.2	-88	-88	54	156	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Disulfoton	n/a	=	51	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Disulfoton	n/a	=	0.0587	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Disulfoton	n/a	=	117	%	EPA 525.2m	-88	-88	0.1	212	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Disulfoton	n/a	=	6.22	µg/L	EPA 525.2	0.031	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Disulfoton	n/a	=	124	%	EPA 525.2	-88	-88	54	156	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Disulfoton	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Disulfoton	n/a	=	6.07	µg/L	EPA 525.2	0.031	0.1			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Disulfoton	n/a	=	121	%	EPA 525.2	-88	-88	54	156	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Disulfoton	n/a	=	0.0494	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Disulfoton	n/a	=	99	%	EPA 525.2m	-88	-88	0.1	212	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Disulfoton	n/a	DNQ	0.04	µg/L	EPA 525.2	0.031	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Disulfoton	n/a	=	2.3	µg/L	EPA 525.2	0.031	0.1			EUM
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Disulfoton	n/a	=	46	%	EPA 525.2	-88	-88	54	156	EUM

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Disulfoton	n/a	=	22	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Disulfoton	n/a	=	2.87	µg/L	EPA 525.2	0.031	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Disulfoton	n/a	=	57	%	EPA 525.2	-88	-88	54	156	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Disulfoton	n/a	=	0.0485	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Disulfoton	n/a	=	97	%	EPA 525.2m	-88	-88	0.1	212	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Disulfoton	n/a	=	0.0534	µg/L	EPA 525.2m	0.01	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Disulfoton	n/a	=	107	%	EPA 525.2m	-88	-88	0.1	212	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Endosulfan I	n/a	=	0.0574	µg/L	EPA 608	0.0017	0.02			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Endosulfan I	n/a	=	57	%	EPA 608	-88	-88	0.1	140	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Endosulfan I	n/a	=	0.0584	µg/L	EPA 608	0.0017	0.02			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Endosulfan I	n/a	=	58	%	EPA 608	-88	-88	0.1	140	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Endosulfan I	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	Endosulfan I	n/a	=	0.0769	µg/L	EPA 608	0.0017	0.02			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	Endosulfan I	n/a	=	77	%	EPA 608	-88	-88	14	131	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	Endosulfan I	n/a	=	0.0785	µg/L	EPA 608	0.0017	0.02			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	Endosulfan I	n/a	=	78	%	EPA 608	-88	-88	14	131	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	Endosulfan I	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Endosulfan I	n/a	=	0.0603	µg/L	EPA 608	0.0017	0.02			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Endosulfan I	n/a	=	60	%	EPA 608	-88	-88	14	131	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Endosulfan I	n/a	=	0.0609	µg/L	EPA 608	0.0017	0.02			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Endosulfan I	n/a	=	61	%	EPA 608	-88	-88	14	131	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Endosulfan I	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Endosulfan I	n/a	=	0.0676	µg/L	EPA 608	0.0017	0.02			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Endosulfan I	n/a	=	68	%	EPA 608	-88	-88	14	131	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Endosulfan II	n/a	=	0.0503	µg/L	EPA 608	0.0019	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Endosulfan II	n/a	=	50	%	EPA 608	-88	-88	17	122	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Endosulfan II	n/a	=	0.0492	µg/L	EPA 608	0.0019	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Endosulfan II	n/a	=	49	%	EPA 608	-88	-88	17	122	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Endosulfan II	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	Endosulfan II	n/a	=	0.0846	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	Endosulfan II	n/a	=	85	%	EPA 608	-88	-88	40	121	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	Endosulfan II	n/a	=	0.0855	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	Endosulfan II	n/a	=	86	%	EPA 608	-88	-88	40	121	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	Endosulfan II	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Endosulfan II	n/a	=	0.065	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Endosulfan II	n/a	=	65	%	EPA 608	-88	-88	40	121	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Endosulfan II	n/a	=	0.066	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Endosulfan II	n/a	=	66	%	EPA 608	-88	-88	40	121	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Endosulfan II	n/a	=	1	%	EPA 608	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Endosulfan II	n/a	=	0.0693	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Endosulfan II	n/a	=	69	%	EPA 608	-88	-88	40	121	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Endosulfan sulfate	n/a	=	0.0698	µg/L	EPA 608	0.008	0.05			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Endosulfan sulfate	n/a	=	70	%	EPA 608	-88	-88	37	131	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Endosulfan sulfate	n/a	=	0.0843	µg/L	EPA 608	0.008	0.05			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Endosulfan sulfate	n/a	=	84	%	EPA 608	-88	-88	37	131	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Endosulfan sulfate	n/a	=	19	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	Endosulfan sulfate	n/a	=	0.0938	µg/L	EPA 608	0.008	0.05			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	Endosulfan sulfate	n/a	=	94	%	EPA 608	-88	-88	44	140	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	Endosulfan sulfate	n/a	=	0.0941	µg/L	EPA 608	0.008	0.05			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	Endosulfan sulfate	n/a	=	94	%	EPA 608	-88	-88	44	140	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	Endosulfan sulfate	n/a	=	0.4	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Endosulfan sulfate	n/a	=	0.0926	µg/L	EPA 608	0.008	0.05			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Endosulfan sulfate	n/a	=	93	%	EPA 608	-88	-88	44	140	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Endosulfan sulfate	n/a	=	0.0988	µg/L	EPA 608	0.008	0.05			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Endosulfan sulfate	n/a	=	99	%	EPA 608	-88	-88	44	140	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Endosulfan sulfate	n/a	=	6	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Endosulfan sulfate	n/a	=	0.108	µg/L	EPA 608	0.008	0.05			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Endosulfan sulfate	n/a	=	108	%	EPA 608	-88	-88	44	140	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Endrin	n/a	=	0.0683	µg/L	EPA 608	0.0028	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Endrin	n/a	=	68	%	EPA 608	-88	-88	42	144	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Endrin	n/a	=	0.0714	µg/L	EPA 608	0.0028	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Endrin	n/a	=	71	%	EPA 608	-88	-88	42	144	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Endrin	n/a	=	4	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	Endrin	n/a	=	0.106	µg/L	EPA 608	0.0028	0.01			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	Endrin	n/a	=	106	%	EPA 608	-88	-88	40	143	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	Endrin	n/a	=	0.108	µg/L	EPA 608	0.0028	0.01			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	Endrin	n/a	=	108	%	EPA 608	-88	-88	40	143	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	Endrin	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Endrin	n/a	=	0.0871	µg/L	EPA 608	0.0028	0.01			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Endrin	n/a	=	87	%	EPA 608	-88	-88	40	143	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Endrin	n/a	=	0.0878	µg/L	EPA 608	0.0028	0.01			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Endrin	n/a	=	88	%	EPA 608	-88	-88	40	143	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Endrin	n/a	=	0.8	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Endrin	n/a	=	0.0959	µg/L	EPA 608	0.0028	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Endrin	n/a	=	96	%	EPA 608	-88	-88	40	143	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Endrin aldehyde	n/a	=	0.0308	µg/L	EPA 608	0.003	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Endrin aldehyde	n/a	=	31	%	EPA 608	-88	-88	11	113	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Endrin aldehyde	n/a	=	0.0363	µg/L	EPA 608	0.003	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Endrin aldehyde	n/a	=	36	%	EPA 608	-88	-88	11	113	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Endrin aldehyde	n/a	=	17	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	Endrin aldehyde	n/a	=	0.107	µg/L	EPA 608	0.003	0.01			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	Endrin aldehyde	n/a	=	107	%	EPA 608	-88	-88	18	136	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	Endrin aldehyde	n/a	=	0.116	µg/L	EPA 608	0.003	0.01			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	Endrin aldehyde	n/a	=	116	%	EPA 608	-88	-88	18	136	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	Endrin aldehyde	n/a	=	9	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Endrin aldehyde	n/a	=	0.0859	µg/L	EPA 608	0.003	0.01			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Endrin aldehyde	n/a	=	86	%	EPA 608	-88	-88	18	136	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Endrin aldehyde	n/a	=	0.0787	µg/L	EPA 608	0.003	0.01			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Endrin aldehyde	n/a	=	79	%	EPA 608	-88	-88	18	136	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Endrin aldehyde	n/a	=	9	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Endrin aldehyde	n/a	=	0.0941	µg/L	EPA 608	0.003	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Endrin aldehyde	n/a	=	94	%	EPA 608	-88	-88	18	136	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	EPTC	n/a	=	4.99	µg/L	EPA 525.2	0.017	1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	EPTC	n/a	=	100	%	EPA 525.2	-88	-88	82	116	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	EPTC	n/a	=	5.02	µg/L	EPA 525.2	0.017	1			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	EPTC	n/a	=	100	%	EPA 525.2	-88	-88	82	116	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	EPTC	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	EPTC	n/a	=	5.21	µg/L	EPA 525.2	0.017	1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	EPTC	n/a	=	104	%	EPA 525.2	-88	-88	82	116	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	EPTC	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	EPTC	n/a	=	5.44	µg/L	EPA 525.2	0.017	1			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	EPTC	n/a	=	109	%	EPA 525.2	-88	-88	82	116	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	EPTC	n/a	=	5.08	µg/L	EPA 525.2	0.017	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	EPTC	n/a	=	102	%	EPA 525.2	-88	-88	82	116	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	EPTC	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	EPTC	n/a	=	5.2	µg/L	EPA 525.2	0.017	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	EPTC	n/a	=	104	%	EPA 525.2	-88	-88	82	116	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Ethoprop	n/a	=	0.0888	µg/L	EPA 525.2m	0.0067	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Ethoprop	n/a	=	178	%	EPA 525.2m	-88	-88	51	167	GB
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Ethoprop	n/a	=	0.0749	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Ethoprop	n/a	=	150	%	EPA 525.2m	-88	-88	51	167	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Ethoprop	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Ethoprop	n/a	=	0.0835	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Ethoprop	n/a	=	167	%	EPA 525.2m	-88	-88	51	167	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Ethoprop	n/a	=	0.0872	µg/L	EPA 525.2m	0.0067	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Ethoprop	n/a	=	174	%	EPA 525.2m	-88	-88	51	167	GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Ethoprop	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Ethoprop	n/a	=	0.0617	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Ethoprop	n/a	=	123	%	EPA 525.2m	-88	-88	51	167	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Ethoprop	n/a	=	0.0656	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Ethoprop	n/a	=	131	%	EPA 525.2m	-88	-88	51	167	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Ethoprop	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Ethoprop	n/a	=	0.0859	µg/L	EPA 525.2m	0.0067	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Ethoprop	n/a	=	172	%	EPA 525.2m	-88	-88	51	167	GB
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Ethoprop	n/a	=	0.0777	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Ethoprop	n/a	=	155	%	EPA 525.2m	-88	-88	51	167	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Ethoprop	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Ethoprop	n/a	=	0.0798	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Ethoprop	n/a	=	160	%	EPA 525.2m	-88	-88	53	163	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Ethoprop	n/a	=	0.0662	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Ethoprop	n/a	=	132	%	EPA 525.2m	-88	-88	53	163	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Ethoprop	n/a	=	0.0575	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Ethoprop	n/a	=	115	%	EPA 525.2m	-88	-88	53	163	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Ethoprop	n/a	=	0.0627	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Ethoprop	n/a	=	125	%	EPA 525.2m	-88	-88	53	163	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Ethyl parathion	n/a	=	0.123	µg/L	EPA 525.2m	0.0054	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Ethyl parathion	n/a	=	246	%	EPA 525.2m	-88	-88	5	229	GB
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Ethyl parathion	n/a	=	0.131	µg/L	EPA 525.2m	0.0054	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Ethyl parathion	n/a	=	263	%	EPA 525.2m	-88	-88	5	229	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Ethyl parathion	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Ethyl parathion	n/a	=	0.102	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Ethyl parathion	n/a	=	204	%	EPA 525.2m	-88	-88	5	229	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Ethyl parathion	n/a	=	0.1	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Ethyl parathion	n/a	=	200	%	EPA 525.2m	-88	-88	5	229	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Ethyl parathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Ethyl parathion	n/a	=	0.0739	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Ethyl parathion	n/a	=	148	%	EPA 525.2m	-88	-88	5	229	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Ethyl parathion	n/a	=	0.0855	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Ethyl parathion	n/a	=	171	%	EPA 525.2m	-88	-88	5	229	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Ethyl parathion	n/a	=	15	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Ethyl parathion	n/a	=	0.116	µg/L	EPA 525.2m	0.0054	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Ethyl parathion	n/a	=	233	%	EPA 525.2m	-88	-88	5	229	GB
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Ethyl parathion	n/a	=	0.103	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Ethyl parathion	n/a	=	206	%	EPA 525.2m	-88	-88	5	229	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Ethyl parathion	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Ethyl parathion	n/a	=	0.0872	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Ethyl parathion	n/a	=	174	%	EPA 525.2m	-88	-88	7	230	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Ethyl parathion	n/a	=	0.0717	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Ethyl parathion	n/a	=	143	%	EPA 525.2m	-88	-88	7	230	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Ethyl parathion	n/a	=	0.064	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Ethyl parathion	n/a	=	128	%	EPA 525.2m	-88	-88	7	230	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Ethyl parathion	n/a	=	0.0793	µg/L	EPA 525.2m	0.0054	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Ethyl parathion	n/a	=	159	%	EPA 525.2m	-88	-88	7	230	
2014/15-6	000NONPJ	matrix spike	7/7/2015	Pesticide	Fensulfothion	n/a	=	0.192	µg/L	EPA 525.2m	0.0029	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/7/2015	Pesticide	Fensulfothion	n/a	=	371	%	EPA 525.2m	-88	-88	0.1	316	GB
2014/15-6	000NONPJ	matrix spike dup	7/7/2015	Pesticide	Fensulfothion	n/a	=	0.176	µg/L	EPA 525.2m	0.0029	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/7/2015	Pesticide	Fensulfothion	n/a	=	338	%	EPA 525.2m	-88	-88	0.1	316	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/7/2015	Pesticide	Fensulfothion	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Fensulfothion	n/a	=	0.186	µg/L	EPA 525.2m	0.0029	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Fensulfothion	n/a	=	328	%	EPA 525.2m	-88	-88	0.1	316	GB
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Fensulfothion	n/a	=	0.187	µg/L	EPA 525.2m	0.0029	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Fensulfothion	n/a	=	329	%	EPA 525.2m	-88	-88	0.1	316	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Fensulfothion	n/a	=	0.4	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Fensulfothion	n/a	=	0.105	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Fensulfothion	n/a	=	197	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Fensulfothion	n/a	=	0.112	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Fensulfothion	n/a	=	211	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Fensulfothion	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Fensulfothion	n/a	=	0.105	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Fensulfothion	n/a	=	211	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Fensulfothion	n/a	=	0.105	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Fensulfothion	n/a	=	209	%	EPA 525.2m	-88	-88	0.1	316	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Fensulfothion	n/a	=	0.7	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	Fensulfothion	n/a	=	0.141	µg/L	EPA 525.2m	0.0029	0.01			EUM
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	Fensulfothion	n/a	=	283	%	EPA 525.2m	-88	-88	0.1	265	EUM
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Fensulfothion	n/a	=	0.118	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Fensulfothion	n/a	=	237	%	EPA 525.2m	-88	-88	0.1	265	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Fensulfothion	n/a	=	0.015	µg/L	EPA 525.2m	0.0029	0.01			IP
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Fensulfothion	n/a	=	0.0979	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Fensulfothion	n/a	=	196	%	EPA 525.2m	-88	-88	0.1	265	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Fensulfothion	n/a	DNQ	0.0048	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Fensulfothion	n/a	=	0.0923	µg/L	EPA 525.2m	0.0029	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Fensulfothion	n/a	=	185	%	EPA 525.2m	-88	-88	0.1	265	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Fenthion	n/a	=	0.0772	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Fenthion	n/a	=	154	%	EPA 525.2m	-88	-88	23	169	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Fenthion	n/a	=	0.0824	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Fenthion	n/a	=	165	%	EPA 525.2m	-88	-88	23	169	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Fenthion	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Fenthion	n/a	=	0.0722	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Fenthion	n/a	=	144	%	EPA 525.2m	-88	-88	23	169	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Fenthion	n/a	=	0.0725	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Fenthion	n/a	=	145	%	EPA 525.2m	-88	-88	23	169	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Fenthion	n/a	=	0.4	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Fenthion	n/a	=	0.061	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Fenthion	n/a	=	122	%	EPA 525.2m	-88	-88	23	169	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Fenthion	n/a	=	0.067	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Fenthion	n/a	=	134	%	EPA 525.2m	-88	-88	23	169	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Fenthion	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Fenthion	n/a	=	0.0812	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Fenthion	n/a	=	162	%	EPA 525.2m	-88	-88	23	169	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Fenthion	n/a	=	0.0626	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Fenthion	n/a	=	125	%	EPA 525.2m	-88	-88	23	169	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Fenthion	n/a	=	26	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Fenthion	n/a	=	0.0772	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Fenthion	n/a	=	154	%	EPA 525.2m	-88	-88	20	177	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Fenthion	n/a	=	0.0599	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Fenthion	n/a	=	120	%	EPA 525.2m	-88	-88	20	177	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Fenthion	n/a	=	0.0608	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Fenthion	n/a	=	122	%	EPA 525.2m	-88	-88	20	177	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Fenthion	n/a	=	0.0622	µg/L	EPA 525.2m	0.0038	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Fenthion	n/a	=	124	%	EPA 525.2m	-88	-88	20	177	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0717	µg/L	EPA 608	0.0021	0.02			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	72	%	EPA 608	-88	-88	33	112	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0535	µg/L	EPA 608	0.0021	0.02			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	54	%	EPA 608	-88	-88	33	112	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	29	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.101	µg/L	EPA 608	0.0021	0.02			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	101	%	EPA 608	-88	-88	49	117	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.101	µg/L	EPA 608	0.0021	0.02			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	101	%	EPA 608	-88	-88	49	117	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.08	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0825	µg/L	EPA 608	0.0021	0.02			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	83	%	EPA 608	-88	-88	49	117	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0831	µg/L	EPA 608	0.0021	0.02			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	83	%	EPA 608	-88	-88	49	117	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.7	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	0.0941	µg/L	EPA 608	0.0021	0.02			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	gamma-BHC (Lindane)	n/a	=	94	%	EPA 608	-88	-88	49	117	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2014/15-6	Lab	method blank	7/15/2015	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01			
2014/15-6	000NONPJ	matrix spike	7/13/2015	Pesticide	Glyphosate	n/a	=	28.8	µg/L	EPA 547	1.8	5			
2014/15-6	000NONPJ	matrix spike, rec	7/13/2015	Pesticide	Glyphosate	n/a	=	105	%	EPA 547	-88	-88	41	149	
2014/15-6	000NONPJ	matrix spike dup	7/13/2015	Pesticide	Glyphosate	n/a	=	31.7	µg/L	EPA 547	1.8	5			
2014/15-6	000NONPJ	matrix spike dup, rec	7/13/2015	Pesticide	Glyphosate	n/a	=	117	%	EPA 547	-88	-88	41	149	
2014/15-6	000NONPJ	matrix spike, RPD	7/13/2015	Pesticide	Glyphosate	n/a	=	10	%	EPA 547	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Glyphosate	n/a	=	47.6	µg/L	EPA 547	1.8	5			GB
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Glyphosate	n/a	=	191	%	EPA 547	-88	-88	41	149	GB
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Glyphosate	n/a	=	50.7	µg/L	EPA 547	1.8	5			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Glyphosate	n/a	=	203	%	EPA 547	-88	-88	41	149	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Glyphosate	n/a	=	6	%	EPA 547	-88	-88	0	30	
2014/15-6	Lab	LCS	7/2/2015	Pesticide	Glyphosate	n/a	=	26.4	µg/L	EPA 547	1.8	5			
2014/15-6	Lab	LCS, rec	7/2/2015	Pesticide	Glyphosate	n/a	=	106	%	EPA 547	-88	-88	62	130	
2014/15-6	Lab	method blank	7/2/2015	Pesticide	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5			
2014/15-6	Lab	LCS	7/13/2015	Pesticide	Glyphosate	n/a	=	19.1	µg/L	EPA 547	1.8	5			
2014/15-6	Lab	LCS, rec	7/13/2015	Pesticide	Glyphosate	n/a	=	77	%	EPA 547	-88	-88	62	130	
2014/15-6	Lab	method blank	7/13/2015	Pesticide	Glyphosate	n/a	DNQ	3.46	µg/L	EPA 547	1.8	5			
2014/15-6	ME-VR2	matrix spike	7/2/2015	Pesticide	Glyphosate	n/a	=	24.4	µg/L	EPA 547	1.8	5			
2014/15-6	ME-VR2	matrix spike, rec	7/2/2015	Pesticide	Glyphosate	n/a	=	97	%	EPA 547	-88	-88	41	149	
2014/15-6	ME-VR2	matrix spike dup	7/2/2015	Pesticide	Glyphosate	n/a	=	30.5	µg/L	EPA 547	1.8	5			
2014/15-6	ME-VR2	matrix spike dup, rec	7/2/2015	Pesticide	Glyphosate	n/a	=	122	%	EPA 547	-88	-88	41	149	
2014/15-6	ME-VR2	matrix spike, RPD	7/2/2015	Pesticide	Glyphosate	n/a	=	22	%	EPA 547	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Heptachlor	n/a	=	0.0758	µg/L	EPA 608	0.0017	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Heptachlor	n/a	=	76	%	EPA 608	-88	-88	28	131	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Heptachlor	n/a	=	0.0758	µg/L	EPA 608	0.0017	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Heptachlor	n/a	=	76	%	EPA 608	-88	-88	28	131	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Heptachlor	n/a	=	0.06	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	Heptachlor	n/a	=	0.104	µg/L	EPA 608	0.0017	0.01			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	Heptachlor	n/a	=	104	%	EPA 608	-88	-88	31	130	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	Heptachlor	n/a	=	0.106	µg/L	EPA 608	0.0017	0.01			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	Heptachlor	n/a	=	106	%	EPA 608	-88	-88	31	130	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	Heptachlor	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Heptachlor	n/a	=	0.0819	µg/L	EPA 608	0.0017	0.01			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Heptachlor	n/a	=	82	%	EPA 608	-88	-88	31	130	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Heptachlor	n/a	=	0.0829	µg/L	EPA 608	0.0017	0.01			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Heptachlor	n/a	=	83	%	EPA 608	-88	-88	31	130	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Heptachlor	n/a	=	1	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Heptachlor	n/a	=	0.0839	µg/L	EPA 608	0.0017	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Heptachlor	n/a	=	84	%	EPA 608	-88	-88	31	130	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Heptachlor epoxide	n/a	=	0.0559	µg/L	EPA 608	0.0019	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Heptachlor epoxide	n/a	=	56	%	EPA 608	-88	-88	36	117	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Heptachlor epoxide	n/a	=	0.0589	µg/L	EPA 608	0.0019	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Heptachlor epoxide	n/a	=	59	%	EPA 608	-88	-88	36	117	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Heptachlor epoxide	n/a	=	5	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	Heptachlor epoxide	n/a	=	0.103	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	Heptachlor epoxide	n/a	=	103	%	EPA 608	-88	-88	49	122	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	Heptachlor epoxide	n/a	=	0.105	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	Heptachlor epoxide	n/a	=	105	%	EPA 608	-88	-88	49	122	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	Heptachlor epoxide	n/a	=	2	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Heptachlor epoxide	n/a	=	0.0817	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Heptachlor epoxide	n/a	=	82	%	EPA 608	-88	-88	49	122	
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Heptachlor epoxide	n/a	=	0.0815	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Heptachlor epoxide	n/a	=	81	%	EPA 608	-88	-88	49	122	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Heptachlor epoxide	n/a	=	0.3	%	EPA 608	-88	-88	0	30	
2014/15-6	Lab	method blank	7/15/2015	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Heptachlor epoxide	n/a	=	0.092	µg/L	EPA 608	0.0019	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Heptachlor epoxide	n/a	=	92	%	EPA 608	-88	-88	49	122	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Malathion	n/a	=	0.106	µg/L	EPA 525.2m	0.0076	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Malathion	n/a	=	212	%	EPA 525.2m	-88	-88	6	184	GB
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Malathion	n/a	=	0.11	µg/L	EPA 525.2m	0.0076	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Malathion	n/a	=	221	%	EPA 525.2m	-88	-88	6	184	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Malathion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Malathion	n/a	=	0.0932	µg/L	EPA 525.2m	0.0076	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Malathion	n/a	=	186	%	EPA 525.2m	-88	-88	6	184	GB
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Malathion	n/a	=	0.0963	µg/L	EPA 525.2m	0.0076	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Malathion	n/a	=	193	%	EPA 525.2m	-88	-88	6	184	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Malathion	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Malathion	n/a	=	0.0799	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Malathion	n/a	=	160	%	EPA 525.2m	-88	-88	6	184	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Malathion	n/a	=	0.0881	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Malathion	n/a	=	176	%	EPA 525.2m	-88	-88	6	184	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Malathion	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Malathion	n/a	=	0.135	µg/L	EPA 525.2m	0.0076	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Malathion	n/a	=	212	%	EPA 525.2m	-88	-88	6	184	GB
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Malathion	n/a	=	0.108	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Malathion	n/a	=	158	%	EPA 525.2m	-88	-88	6	184	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Malathion	n/a	=	22	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Malathion	n/a	=	0.0896	µg/L	EPA 525.2m	0.0076	0.01			EUM
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Malathion	n/a	=	179	%	EPA 525.2m	-88	-88	14	175	EUM
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Malathion	n/a	=	0.0759	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Malathion	n/a	=	152	%	EPA 525.2m	-88	-88	14	175	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Malathion	n/a	=	0.0718	µg/L	EPA 525.2m	0.0076	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Malathion	n/a	=	144	%	EPA 525.2m	-88	-88	14	175	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Malathion	n/a	=	0.0747	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Malathion	n/a	=	149	%	EPA 525.2m	-88	-88	14	175	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Merphos	n/a	=	0.0852	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Merphos	n/a	=	170	%	EPA 525.2m	-88	-88	3	210	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Merphos	n/a	=	0.0942	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Merphos	n/a	=	188	%	EPA 525.2m	-88	-88	3	210	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Merphos	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Merphos	n/a	=	0.0317	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Merphos	n/a	=	63	%	EPA 525.2m	-88	-88	3	210	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Merphos	n/a	=	0.0292	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Merphos	n/a	=	58	%	EPA 525.2m	-88	-88	3	210	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Merphos	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Merphos	n/a	=	0.0274	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Merphos	n/a	=	55	%	EPA 525.2m	-88	-88	3	210	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Merphos	n/a	=	0.0239	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Merphos	n/a	=	48	%	EPA 525.2m	-88	-88	3	210	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Merphos	n/a	=	14	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Merphos	n/a	=	0.0345	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Merphos	n/a	=	69	%	EPA 525.2m	-88	-88	3	210	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Merphos	n/a	=	0.0366	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Merphos	n/a	=	73	%	EPA 525.2m	-88	-88	3	210	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Merphos	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Merphos	n/a	=	0.101	µg/L	EPA 525.2m	0.0058	0.01			EUM
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Merphos	n/a	=	201	%	EPA 525.2m	-88	-88	28	181	EUM
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Merphos	n/a	=	0.0425	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Merphos	n/a	=	85	%	EPA 525.2m	-88	-88	28	181	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Merphos	n/a	=	0.0473	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Merphos	n/a	=	95	%	EPA 525.2m	-88	-88	28	181	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Merphos	n/a	=	0.0252	µg/L	EPA 525.2m	0.0058	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Merphos	n/a	=	50	%	EPA 525.2m	-88	-88	28	181	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2014/15-6	Lab	method blank	7/15/2015	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02			
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Methyl parathion	n/a	=	0.13	µg/L	EPA 525.2m	0.0063	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Methyl parathion	n/a	=	259	%	EPA 525.2m	-88	-88	0.1	249	GB
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Methyl parathion	n/a	=	0.133	µg/L	EPA 525.2m	0.0063	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Methyl parathion	n/a	=	265	%	EPA 525.2m	-88	-88	0.1	249	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Methyl parathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Methyl parathion	n/a	=	0.102	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Methyl parathion	n/a	=	204	%	EPA 525.2m	-88	-88	0.1	249	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Methyl parathion	n/a	=	0.105	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Methyl parathion	n/a	=	209	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Methyl parathion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Methyl parathion	n/a	=	0.0763	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Methyl parathion	n/a	=	153	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Methyl parathion	n/a	=	0.0856	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Methyl parathion	n/a	=	171	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Methyl parathion	n/a	=	11	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Methyl parathion	n/a	=	0.124	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Methyl parathion	n/a	=	248	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Methyl parathion	n/a	=	0.105	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Methyl parathion	n/a	=	210	%	EPA 525.2m	-88	-88	0.1	249	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Methyl parathion	n/a	=	17	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Methyl parathion	n/a	=	0.0876	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Methyl parathion	n/a	=	175	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Methyl parathion	n/a	=	0.068	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Methyl parathion	n/a	=	136	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Methyl parathion	n/a	=	0.0644	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Methyl parathion	n/a	=	129	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Methyl parathion	n/a	=	0.0747	µg/L	EPA 525.2m	0.0063	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Methyl parathion	n/a	=	149	%	EPA 525.2m	-88	-88	0.1	252	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Metolachlor	n/a	=	5.13	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Metolachlor	n/a	=	103	%	EPA 525.2	-88	-88	61	123	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Metolachlor	n/a	=	7.53	µg/L	EPA 525.2	0.012	0.1			EUM
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Metolachlor	n/a	=	151	%	EPA 525.2	-88	-88	61	123	EUM
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Metolachlor	n/a	=	38	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Metolachlor	n/a	=	5.88	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Metolachlor	n/a	=	118	%	EPA 525.2	-88	-88	61	123	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Metolachlor	n/a	=	17	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Metolachlor	n/a	=	6.97	µg/L	EPA 525.2	0.012	0.1			EUM
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Metolachlor	n/a	=	139	%	EPA 525.2	-88	-88	61	123	EUM
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Metolachlor	n/a	=	5.55	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Metolachlor	n/a	=	111	%	EPA 525.2	-88	-88	61	123	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Metolachlor	n/a	=	23	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Metolachlor	n/a	=	7	µg/L	EPA 525.2	0.012	0.1			EUM
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Metolachlor	n/a	=	140	%	EPA 525.2	-88	-88	61	123	EUM
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Metribuzin	n/a	=	5.24	µg/L	EPA 525.2	0.015	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Metribuzin	n/a	=	105	%	EPA 525.2	-88	-88	50	121	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Metribuzin	n/a	=	7	µg/L	EPA 525.2	0.015	0.1			EUM

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Metribuzin	n/a	=	140	%	EPA 525.2	-88	-88	50	121	EUM
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Metribuzin	n/a	=	29	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Metribuzin	n/a	=	5.8	µg/L	EPA 525.2	0.015	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Metribuzin	n/a	=	116	%	EPA 525.2	-88	-88	50	121	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Metribuzin	n/a	=	17	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Metribuzin	n/a	=	6.9	µg/L	EPA 525.2	0.015	0.1			EUM
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Metribuzin	n/a	=	138	%	EPA 525.2	-88	-88	50	121	EUM
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Metribuzin	n/a	=	5.32	µg/L	EPA 525.2	0.015	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Metribuzin	n/a	=	106	%	EPA 525.2	-88	-88	50	121	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Metribuzin	n/a	=	25	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Metribuzin	n/a	=	6.87	µg/L	EPA 525.2	0.015	0.1			EUM
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Metribuzin	n/a	=	137	%	EPA 525.2	-88	-88	50	121	EUM
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Mevinphos	n/a	=	0.0994	µg/L	EPA 525.2m	0.0042	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Mevinphos	n/a	=	199	%	EPA 525.2m	-88	-88	25	189	GB
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Mevinphos	n/a	=	0.0843	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Mevinphos	n/a	=	169	%	EPA 525.2m	-88	-88	25	189	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Mevinphos	n/a	=	16	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Mevinphos	n/a	=	0.0719	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Mevinphos	n/a	=	144	%	EPA 525.2m	-88	-88	25	189	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Mevinphos	n/a	=	0.0784	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Mevinphos	n/a	=	157	%	EPA 525.2m	-88	-88	25	189	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Mevinphos	n/a	=	9	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Mevinphos	n/a	=	0.056	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Mevinphos	n/a	=	112	%	EPA 525.2m	-88	-88	25	189	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Mevinphos	n/a	=	0.0605	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Mevinphos	n/a	=	121	%	EPA 525.2m	-88	-88	25	189	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Mevinphos	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Mevinphos	n/a	=	0.0724	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Mevinphos	n/a	=	145	%	EPA 525.2m	-88	-88	25	189	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Mevinphos	n/a	=	0.0698	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Mevinphos	n/a	=	140	%	EPA 525.2m	-88	-88	25	189	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Mevinphos	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Mevinphos	n/a	=	0.0868	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Mevinphos	n/a	=	174	%	EPA 525.2m	-88	-88	14	202	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Mevinphos	n/a	=	0.0602	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Mevinphos	n/a	=	120	%	EPA 525.2m	-88	-88	14	202	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Mevinphos	n/a	=	0.0546	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Mevinphos	n/a	=	109	%	EPA 525.2m	-88	-88	14	202	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Mevinphos	n/a	=	0.0522	µg/L	EPA 525.2m	0.0042	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Mevinphos	n/a	=	104	%	EPA 525.2m	-88	-88	14	202	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Molinate	n/a	=	5.14	µg/L	EPA 525.2	0.039	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Molinate	n/a	=	103	%	EPA 525.2	-88	-88	82	117	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Molinate	n/a	=	5.13	µg/L	EPA 525.2	0.039	0.1			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Molinate	n/a	=	103	%	EPA 525.2	-88	-88	82	117	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Molinate	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Molinate	n/a	=	5.42	µg/L	EPA 525.2	0.039	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Molinate	n/a	=	108	%	EPA 525.2	-88	-88	82	117	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Molinate	n/a	=	5.51	µg/L	EPA 525.2	0.039	0.1			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Molinate	n/a	=	110	%	EPA 525.2	-88	-88	82	117	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Molinate	n/a	=	5.15	µg/L	EPA 525.2	0.039	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Molinate	n/a	=	103	%	EPA 525.2	-88	-88	82	117	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Molinate	n/a	=	5.25	µg/L	EPA 525.2	0.039	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Molinate	n/a	=	105	%	EPA 525.2	-88	-88	82	117	
2014/15-6	000NONPJ	matrix spike	7/7/2015	Pesticide	Naled	n/a	=	0.401	µg/L	EPA 525.2m	0.0076	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/7/2015	Pesticide	Naled	n/a	=	803	%	EPA 525.2m	-88	-88	0.1	242	GB
2014/15-6	000NONPJ	matrix spike dup	7/7/2015	Pesticide	Naled	n/a	=	0.363	µg/L	EPA 525.2m	0.0076	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/7/2015	Pesticide	Naled	n/a	=	727	%	EPA 525.2m	-88	-88	0.1	242	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/7/2015	Pesticide	Naled	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Naled	n/a	=	0.148	µg/L	EPA 525.2m	0.0076	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Naled	n/a	=	296	%	EPA 525.2m	-88	-88	0.1	242	GB
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Naled	n/a	=	0.132	µg/L	EPA 525.2m	0.0076	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Naled	n/a	=	263	%	EPA 525.2m	-88	-88	0.1	242	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Naled	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Naled	n/a	=	0.106	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Naled	n/a	=	213	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-6	000NONPJ	matrix spike dup	7/15/2015	Pesticide	Naled	n/a	=	0.12	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/15/2015	Pesticide	Naled	n/a	=	240	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-6	000NONPJ	matrix spike, RPD	7/15/2015	Pesticide	Naled	n/a	=	12	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Naled	n/a	=	0.0972	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Naled	n/a	=	194	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Naled	n/a	=	0.0879	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Naled	n/a	=	176	%	EPA 525.2m	-88	-88	0.1	242	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Naled	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	Naled	n/a	=	0.279	µg/L	EPA 525.2m	0.0076	0.01			EUM
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	Naled	n/a	=	558	%	EPA 525.2m	-88	-88	0.1	240	EUM
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Naled	n/a	=	0.113	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Naled	n/a	=	226	%	EPA 525.2m	-88	-88	0.1	240	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Naled	n/a	=	0.078	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Naled	n/a	=	156	%	EPA 525.2m	-88	-88	0.1	240	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Naled	n/a	=	0.0361	µg/L	EPA 525.2m	0.0076	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Naled	n/a	=	72	%	EPA 525.2m	-88	-88	0.1	240	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	Pentachlorophenol	n/a	=	3.68	µg/L	EPA 515.3	0.04	0.2			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	Pentachlorophenol	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	Pentachlorophenol	n/a	=	3.68	µg/L	EPA 515.3	0.04	0.2			
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	Pentachlorophenol	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	Pentachlorophenol	n/a	=	0.08	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	Pentachlorophenol	n/a	=	3.46	µg/L	EPA 515.3	0.04	0.2			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	Pentachlorophenol	n/a	=	86	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	6/30/2015	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	6/30/2015	Pesticide	Pentachlorophenol	n/a	=	9.84	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	6/30/2015	Pesticide	Pentachlorophenol	n/a	=	39	%	EPA 625	-88	-88	14	176	
2014/15-6	Lab	LCS dup	6/30/2015	Pesticide	Pentachlorophenol	n/a	=	10.2	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	6/30/2015	Pesticide	Pentachlorophenol	n/a	=	41	%	EPA 625	-88	-88	14	176	
2014/15-6	Lab	LCS, RPD	6/30/2015	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1			
2014/15-6	Lab	LCS	7/7/2015	Pesticide	Pentachlorophenol	n/a	=	7.91	µg/L	EPA 8270Cm	0.15	1			
2014/15-6	Lab	LCS, rec	7/7/2015	Pesticide	Pentachlorophenol	n/a	=	79	%	EPA 8270Cm	-88	-88	29	106	
2014/15-6	Lab	LCS dup	7/7/2015	Pesticide	Pentachlorophenol	n/a	=	8.29	µg/L	EPA 8270Cm	0.15	1			
2014/15-6	Lab	LCS dup, rec	7/7/2015	Pesticide	Pentachlorophenol	n/a	=	83	%	EPA 8270Cm	-88	-88	29	106	
2014/15-6	Lab	LCS, RPD	7/7/2015	Pesticide	Pentachlorophenol	n/a	=	5	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/8/2015	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Pentachlorophenol	n/a	=	8.08	µg/L	EPA 8270Cm	0.15	1			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Pentachlorophenol	n/a	=	81	%	EPA 8270Cm	-88	-88	29	106	
2014/15-6	Lab	LCS dup	7/8/2015	Pesticide	Pentachlorophenol	n/a	=	7.77	µg/L	EPA 8270Cm	0.15	1			
2014/15-6	Lab	LCS dup, rec	7/8/2015	Pesticide	Pentachlorophenol	n/a	=	78	%	EPA 8270Cm	-88	-88	29	106	
2014/15-6	Lab	LCS, RPD	7/8/2015	Pesticide	Pentachlorophenol	n/a	=	4	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	Pentachlorophenol	n/a	=	20.8	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	Pentachlorophenol	n/a	=	83	%	EPA 625	-88	-88	14	176	
2014/15-6	Lab	LCS dup	7/10/2015	Pesticide	Pentachlorophenol	n/a	=	18	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	7/10/2015	Pesticide	Pentachlorophenol	n/a	=	72	%	EPA 625	-88	-88	14	176	
2014/15-6	Lab	LCS, RPD	7/10/2015	Pesticide	Pentachlorophenol	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	Pentachlorophenol	n/a	=	4.01	µg/L	EPA 515.3	0.04	0.2			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	Pentachlorophenol	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Pentachlorophenol	n/a	=	19.4	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Pentachlorophenol	n/a	=	78	%	EPA 625	-88	-88	14	176	
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Pentachlorophenol	n/a	=	19.8	µg/L	EPA 625	0.19	1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Pentachlorophenol	n/a	=	79	%	EPA 625	-88	-88	14	176	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-6	Lab	method blank	7/16/2015	Pesticide	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1			
2014/15-6	Lab	LCS	7/16/2015	Pesticide	Pentachlorophenol	n/a	=	8.04	µg/L	EPA 8270Cm	0.15	1			
2014/15-6	Lab	LCS, rec	7/16/2015	Pesticide	Pentachlorophenol	n/a	=	80	%	EPA 8270Cm	-88	-88	29	106	
2014/15-6	Lab	LCS dup	7/16/2015	Pesticide	Pentachlorophenol	n/a	=	8.53	µg/L	EPA 8270Cm	0.15	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup, rec	7/16/2015	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 8270Cm	-88	-88	29	106	
2014/15-6	Lab	LCS, RPD	7/16/2015	Pesticide	Pentachlorophenol	n/a	=	6	%	EPA 8270Cm	-88	-88	0	30	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	Pentachlorophenol	n/a	=	3.64	µg/L	EPA 515.3	0.04	0.2			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	Pentachlorophenol	n/a	=	91	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	Pentachlorophenol	n/a	=	3.72	µg/L	EPA 515.3	0.04	0.2			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	Pentachlorophenol	n/a	=	93	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	Pentachlorophenol	n/a	=	2	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	Pentachlorophenol	n/a	=	3.84	µg/L	EPA 515.3	0.04	0.2			
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	Pentachlorophenol	n/a	=	96	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	Pentachlorophenol	n/a	=	3.8	µg/L	EPA 515.3	0.04	0.2			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	Pentachlorophenol	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	Pentachlorophenol	n/a	=	1	%	EPA 515.3	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Phorate	n/a	=	0.0703	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Phorate	n/a	=	141	%	EPA 525.2m	-88	-88	31	181	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Phorate	n/a	=	0.0715	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Phorate	n/a	=	143	%	EPA 525.2m	-88	-88	31	181	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Phorate	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Phorate	n/a	=	0.0623	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Phorate	n/a	=	125	%	EPA 525.2m	-88	-88	31	181	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Phorate	n/a	=	0.0603	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Phorate	n/a	=	121	%	EPA 525.2m	-88	-88	31	181	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Phorate	n/a	=	3	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Phorate	n/a	=	0.0525	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Phorate	n/a	=	105	%	EPA 525.2m	-88	-88	31	181	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Phorate	n/a	=	0.0551	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Phorate	n/a	=	110	%	EPA 525.2m	-88	-88	31	181	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Phorate	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Phorate	n/a	=	0.0596	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Phorate	n/a	=	119	%	EPA 525.2m	-88	-88	31	181	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Phorate	n/a	=	0.0574	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Phorate	n/a	=	115	%	EPA 525.2m	-88	-88	31	181	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Phorate	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Phorate	n/a	=	0.0594	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Phorate	n/a	=	119	%	EPA 525.2m	-88	-88	26	180	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Phorate	n/a	=	0.0497	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Phorate	n/a	=	99	%	EPA 525.2m	-88	-88	26	180	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Phorate	n/a	=	0.0497	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Phorate	n/a	=	99	%	EPA 525.2m	-88	-88	26	180	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Phorate	n/a	=	0.053	µg/L	EPA 525.2m	0.003	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Phorate	n/a	=	106	%	EPA 525.2m	-88	-88	26	180	
2014/15-6	000NONPJ	matrix spike	6/25/2015	Pesticide	Picloram	n/a	=	3.79	µg/L	EPA 515.3	0.05	0.6			
2014/15-6	000NONPJ	matrix spike, rec	6/25/2015	Pesticide	Picloram	n/a	=	95	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike dup	6/25/2015	Pesticide	Picloram	n/a	=	4	µg/L	EPA 515.3	0.05	0.6			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike dup, rec	6/25/2015	Pesticide	Picloram	n/a	=	100	%	EPA 515.3	-88	-88	70	130	
2014/15-6	000NONPJ	matrix spike, RPD	6/25/2015	Pesticide	Picloram	n/a	=	5	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/25/2015	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2014/15-6	Lab	LCS	6/25/2015	Pesticide	Picloram	n/a	=	3.68	µg/L	EPA 515.3	0.05	0.6			
2014/15-6	Lab	LCS, rec	6/25/2015	Pesticide	Picloram	n/a	=	92	%	EPA 515.3	-88	-88	70	130	
2014/15-6	Lab	method blank	7/10/2015	Pesticide	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6			
2014/15-6	Lab	LCS	7/10/2015	Pesticide	Picloram	n/a	=	4.69	µg/L	EPA 515.3	0.05	0.6			
2014/15-6	Lab	LCS, rec	7/10/2015	Pesticide	Picloram	n/a	=	117	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike	7/10/2015	Pesticide	Picloram	n/a	=	4.3	µg/L	EPA 515.3	0.05	0.6			
2014/15-6	ME-SCR	matrix spike, rec	7/10/2015	Pesticide	Picloram	n/a	=	107	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike dup	7/11/2015	Pesticide	Picloram	n/a	=	4.48	µg/L	EPA 515.3	0.05	0.6			
2014/15-6	ME-SCR	matrix spike dup, rec	7/11/2015	Pesticide	Picloram	n/a	=	112	%	EPA 515.3	-88	-88	70	130	
2014/15-6	ME-SCR	matrix spike, RPD	7/11/2015	Pesticide	Picloram	n/a	=	4	%	EPA 515.3	-88	-88	0	30	
2014/15-6	MO-FIL	matrix spike	7/11/2015	Pesticide	Picloram	n/a	=	4.39	µg/L	EPA 515.3	0.05	0.6			
2014/15-6	MO-FIL	matrix spike, rec	7/11/2015	Pesticide	Picloram	n/a	=	110	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike dup	7/11/2015	Pesticide	Picloram	n/a	=	4.24	µg/L	EPA 515.3	0.05	0.6			
2014/15-6	MO-FIL	matrix spike dup, rec	7/11/2015	Pesticide	Picloram	n/a	=	106	%	EPA 515.3	-88	-88	70	130	
2014/15-6	MO-FIL	matrix spike, RPD	7/11/2015	Pesticide	Picloram	n/a	=	3	%	EPA 515.3	-88	-88	0	30	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Prometon	n/a	=	0.85	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Prometon	n/a	=	17	%	EPA 525.2	-88	-88	17	101	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Prometon	n/a	=	3	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Prometon	n/a	=	60	%	EPA 525.2	-88	-88	17	101	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Prometon	n/a	=	112	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Prometon	n/a	=	2.79	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Prometon	n/a	=	56	%	EPA 525.2	-88	-88	17	101	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Prometon	n/a	=	55	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Prometon	n/a	=	1.59	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Prometon	n/a	=	32	%	EPA 525.2	-88	-88	17	101	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Prometon	n/a	=	5.57	µg/L	EPA 525.2	0.024	0.2			EUM
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Prometon	n/a	=	111	%	EPA 525.2	-88	-88	17	101	EUM
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Prometon	n/a	=	26	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Prometon	n/a	=	7.23	µg/L	EPA 525.2	0.024	0.2			EUM
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Prometon	n/a	=	145	%	EPA 525.2	-88	-88	17	101	EUM
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Prometryn	n/a	=	3.82	µg/L	EPA 525.2	0.036	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Prometryn	n/a	=	76	%	EPA 525.2	-88	-88	57	122	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Prometryn	n/a	=	6.87	µg/L	EPA 525.2	0.036	0.1			EUM
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Prometryn	n/a	=	137	%	EPA 525.2	-88	-88	57	122	EUM
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Prometryn	n/a	=	57	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Prometryn	n/a	=	5.36	µg/L	EPA 525.2	0.036	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Prometryn	n/a	=	107	%	EPA 525.2	-88	-88	57	122	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Prometryn	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Prometryn	n/a	=	5.21	µg/L	EPA 525.2	0.036	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Prometryn	n/a	=	104	%	EPA 525.2	-88	-88	57	122	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Prometryn	n/a	=	5.09	µg/L	EPA 525.2	0.036	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Prometryn	n/a	=	102	%	EPA 525.2	-88	-88	57	122	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Prometryn	n/a	=	27	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Prometryn	n/a	=	6.68	µg/L	EPA 525.2	0.036	0.1			EUM
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Prometryn	n/a	=	134	%	EPA 525.2	-88	-88	57	122	EUM
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.0724	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	145	%	EPA 525.2m	-88	-88	29	153	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.0738	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	148	%	EPA 525.2m	-88	-88	29	153	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.0612	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	122	%	EPA 525.2m	-88	-88	29	153	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.062	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	124	%	EPA 525.2m	-88	-88	29	153	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	1	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.0533	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	107	%	EPA 525.2m	-88	-88	29	153	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.0556	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	111	%	EPA 525.2m	-88	-88	29	153	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.0678	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	136	%	EPA 525.2m	-88	-88	29	153	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.0611	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	122	%	EPA 525.2m	-88	-88	29	153	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	10	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Ronnel (Fenclorpos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.0622	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	124	%	EPA 525.2m	-88	-88	34	154	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Ronnel (Fenclorpos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.0564	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	113	%	EPA 525.2m	-88	-88	34	154	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Ronnel (Fenclorpos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.0525	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	105	%	EPA 525.2m	-88	-88	34	154	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Ronnel (Fenclorpos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	0.051	µg/L	EPA 525.2m	0.0041	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Ronnel (Fenclorpos)	n/a	=	102	%	EPA 525.2m	-88	-88	34	154	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Simazine	n/a	=	4.91	µg/L	EPA 525.2	0.015	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Simazine	n/a	=	98	%	EPA 525.2	-88	-88	53	116	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Simazine	n/a	=	7.17	µg/L	EPA 525.2	0.015	0.1			EUM
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Simazine	n/a	=	143	%	EPA 525.2	-88	-88	53	116	EUM
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Simazine	n/a	=	37	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Simazine	n/a	=	5.27	µg/L	EPA 525.2	0.015	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Simazine	n/a	=	105	%	EPA 525.2	-88	-88	53	116	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Simazine	n/a	=	19	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Simazine	n/a	=	6.36	µg/L	EPA 525.2	0.015	0.1			EUM
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Simazine	n/a	=	127	%	EPA 525.2	-88	-88	53	116	EUM
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Simazine	n/a	=	5.08	µg/L	EPA 525.2	0.015	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Simazine	n/a	=	102	%	EPA 525.2	-88	-88	53	116	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Simazine	n/a	=	24	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Simazine	n/a	=	6.48	µg/L	EPA 525.2	0.015	0.1			EUM
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Simazine	n/a	=	130	%	EPA 525.2	-88	-88	53	116	EUM
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.103	µg/L	EPA 525.2m	0.0031	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	206	%	EPA 525.2m	-88	-88	0.1	167	GB
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0854	µg/L	EPA 525.2m	0.0031	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	171	%	EPA 525.2m	-88	-88	0.1	167	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	18	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0807	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	161	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0757	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	151	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	6	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0883	µg/L	EPA 525.2m	0.0031	0.01			GB
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	177	%	EPA 525.2m	-88	-88	0.1	167	GB
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0897	µg/L	EPA 525.2m	0.0031	0.01			GB
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	179	%	EPA 525.2m	-88	-88	0.1	167	GB
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0654	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	131	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0622	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	124	%	EPA 525.2m	-88	-88	0.1	167	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	5	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0891	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	178	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0689	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	138	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0866	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	173	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	0.0677	µg/L	EPA 525.2m	0.0031	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Stirophos (Tetrachlorvinphos)	n/a	=	135	%	EPA 525.2m	-88	-88	0.1	188	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Terbacil	n/a	=	4.86	µg/L	EPA 525.2	0.55	2			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Terbacil	n/a	=	97	%	EPA 525.2	-88	-88	70	135	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Terbacil	n/a	=	4.85	µg/L	EPA 525.2	0.55	2			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Terbacil	n/a	=	97	%	EPA 525.2	-88	-88	70	135	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Terbacil	n/a	=	0.2	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Terbacil	n/a	=	5.41	µg/L	EPA 525.2	0.55	2			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Terbacil	n/a	=	108	%	EPA 525.2	-88	-88	70	135	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Terbacil	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Terbacil	n/a	=	5.69	µg/L	EPA 525.2	0.55	2			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Terbacil	n/a	=	114	%	EPA 525.2	-88	-88	70	135	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Terbacil	n/a	=	4.49	µg/L	EPA 525.2	0.55	2			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Terbacil	n/a	=	90	%	EPA 525.2	-88	-88	70	135	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Terbacil	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Terbacil	n/a	=	4.8	µg/L	EPA 525.2	0.55	2			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Terbacil	n/a	=	96	%	EPA 525.2	-88	-88	70	135	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Thiobencarb	n/a	=	4.83	µg/L	EPA 525.2	0.025	0.2			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Thiobencarb	n/a	=	97	%	EPA 525.2	-88	-88	56	125	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Thiobencarb	n/a	=	7.16	µg/L	EPA 525.2	0.025	0.2			EUM
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Thiobencarb	n/a	=	143	%	EPA 525.2	-88	-88	56	125	EUM
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Thiobencarb	n/a	=	39	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Thiobencarb	n/a	=	5.54	µg/L	EPA 525.2	0.025	0.2			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Thiobencarb	n/a	=	111	%	EPA 525.2	-88	-88	56	125	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Thiobencarb	n/a	=	15	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Thiobencarb	n/a	=	6.42	µg/L	EPA 525.2	0.025	0.2			EUM
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Thiobencarb	n/a	=	128	%	EPA 525.2	-88	-88	56	125	EUM
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Thiobencarb	n/a	=	5.2	µg/L	EPA 525.2	0.025	0.2			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Thiobencarb	n/a	=	104	%	EPA 525.2	-88	-88	56	125	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Thiobencarb	n/a	=	22	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Thiobencarb	n/a	=	6.48	µg/L	EPA 525.2	0.025	0.2			EUM
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Thiobencarb	n/a	=	130	%	EPA 525.2	-88	-88	56	125	EUM
2014/15-6	Lab	method blank	8/3/2015	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2			
2014/15-6	Lab	LCS	8/3/2015	Pesticide	Thiobencarb	n/a	=	6.04	µg/L	EPA 525.2	0.025	0.2			
2014/15-6	Lab	LCS, rec	8/3/2015	Pesticide	Thiobencarb	n/a	=	121	%	EPA 525.2	-88	-88	56	125	
2014/15-6	Lab	LCS dup	8/4/2015	Pesticide	Thiobencarb	n/a	=	4.2	µg/L	EPA 525.2	0.025	0.2			
2014/15-6	Lab	LCS dup, rec	8/4/2015	Pesticide	Thiobencarb	n/a	=	84	%	EPA 525.2	-88	-88	56	125	
2014/15-6	Lab	LCS, RPD	8/4/2015	Pesticide	Thiobencarb	n/a	=	36	%	EPA 525.2	-88	-88	0	30	IL
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Tokuthion	n/a	=	0.0622	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Tokuthion	n/a	=	124	%	EPA 525.2m	-88	-88	27	160	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Tokuthion	n/a	=	0.0503	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Tokuthion	n/a	=	101	%	EPA 525.2m	-88	-88	27	160	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Tokuthion	n/a	=	21	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Tokuthion	n/a	=	0.047	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Tokuthion	n/a	=	94	%	EPA 525.2m	-88	-88	27	160	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Tokuthion	n/a	=	0.0437	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Tokuthion	n/a	=	87	%	EPA 525.2m	-88	-88	27	160	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Tokuthion	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Tokuthion	n/a	=	0.0414	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Tokuthion	n/a	=	83	%	EPA 525.2m	-88	-88	27	160	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Tokuthion	n/a	=	0.0397	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Tokuthion	n/a	=	79	%	EPA 525.2m	-88	-88	27	160	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Tokuthion	n/a	=	4	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Tokuthion	n/a	=	0.0373	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Tokuthion	n/a	=	75	%	EPA 525.2m	-88	-88	27	160	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Tokuthion	n/a	=	0.038	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Tokuthion	n/a	=	76	%	EPA 525.2m	-88	-88	27	160	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Tokuthion	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Tokuthion	n/a	=	0.0528	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Tokuthion	n/a	=	106	%	EPA 525.2m	-88	-88	23	159	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Tokuthion	n/a	=	0.0485	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Tokuthion	n/a	=	97	%	EPA 525.2m	-88	-88	23	159	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Tokuthion	n/a	=	0.0454	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Tokuthion	n/a	=	91	%	EPA 525.2m	-88	-88	23	159	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Tokuthion	n/a	=	0.0412	µg/L	EPA 525.2m	0.0078	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Tokuthion	n/a	=	82	%	EPA 525.2m	-88	-88	23	159	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2014/15-6	Lab	method blank	7/15/2015	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5			
2014/15-6	000NONPJ	matrix spike	7/8/2015	Pesticide	Trichloronate	n/a	=	0.0604	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/8/2015	Pesticide	Trichloronate	n/a	=	121	%	EPA 525.2m	-88	-88	40	150	
2014/15-6	000NONPJ	matrix spike dup	7/8/2015	Pesticide	Trichloronate	n/a	=	0.0619	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/8/2015	Pesticide	Trichloronate	n/a	=	124	%	EPA 525.2m	-88	-88	40	150	
2014/15-6	000NONPJ	matrix spike, RPD	7/8/2015	Pesticide	Trichloronate	n/a	=	2	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/14/2015	Pesticide	Trichloronate	n/a	=	0.0545	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/14/2015	Pesticide	Trichloronate	n/a	=	109	%	EPA 525.2m	-88	-88	40	150	
2014/15-6	000NONPJ	matrix spike dup	7/14/2015	Pesticide	Trichloronate	n/a	=	0.055	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/14/2015	Pesticide	Trichloronate	n/a	=	110	%	EPA 525.2m	-88	-88	40	150	
2014/15-6	000NONPJ	matrix spike, RPD	7/14/2015	Pesticide	Trichloronate	n/a	=	0.9	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/17/2015	Pesticide	Trichloronate	n/a	=	0.0469	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/17/2015	Pesticide	Trichloronate	n/a	=	94	%	EPA 525.2m	-88	-88	40	150	
2014/15-6	000NONPJ	matrix spike dup	7/17/2015	Pesticide	Trichloronate	n/a	=	0.0502	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/17/2015	Pesticide	Trichloronate	n/a	=	100	%	EPA 525.2m	-88	-88	40	150	
2014/15-6	000NONPJ	matrix spike, RPD	7/17/2015	Pesticide	Trichloronate	n/a	=	7	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	000NONPJ	matrix spike	7/21/2015	Pesticide	Trichloronate	n/a	=	0.0619	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike, rec	7/21/2015	Pesticide	Trichloronate	n/a	=	124	%	EPA 525.2m	-88	-88	40	150	
2014/15-6	000NONPJ	matrix spike dup	7/21/2015	Pesticide	Trichloronate	n/a	=	0.0572	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	000NONPJ	matrix spike dup, rec	7/21/2015	Pesticide	Trichloronate	n/a	=	114	%	EPA 525.2m	-88	-88	40	150	
2014/15-6	000NONPJ	matrix spike, RPD	7/21/2015	Pesticide	Trichloronate	n/a	=	8	%	EPA 525.2m	-88	-88	0	30	
2014/15-6	Lab	method blank	7/7/2015	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-6	Lab	LCS	7/8/2015	Pesticide	Trichloronate	n/a	=	0.0601	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS, rec	7/8/2015	Pesticide	Trichloronate	n/a	=	120	%	EPA 525.2m	-88	-88	34	153	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Trichloronate	n/a	=	0.0552	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Trichloronate	n/a	=	110	%	EPA 525.2m	-88	-88	34	153	
2014/15-6	Lab	method blank	7/17/2015	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS	7/17/2015	Pesticide	Trichloronate	n/a	=	0.0498	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS, rec	7/17/2015	Pesticide	Trichloronate	n/a	=	100	%	EPA 525.2m	-88	-88	34	153	
2014/15-6	Lab	method blank	7/21/2015	Pesticide	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS	7/21/2015	Pesticide	Trichloronate	n/a	=	0.0481	µg/L	EPA 525.2m	0.0067	0.01			
2014/15-6	Lab	LCS, rec	7/21/2015	Pesticide	Trichloronate	n/a	=	96	%	EPA 525.2m	-88	-88	34	153	
2014/15-6	Lab	method blank	6/29/2015	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS	6/29/2015	Pesticide	Trithion	n/a	=	4.65	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS, rec	6/29/2015	Pesticide	Trithion	n/a	=	93	%	EPA 525.2	-88	-88	60	124	
2014/15-6	Lab	LCS dup	6/29/2015	Pesticide	Trithion	n/a	=	4.86	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS dup, rec	6/29/2015	Pesticide	Trithion	n/a	=	97	%	EPA 525.2	-88	-88	60	124	
2014/15-6	Lab	LCS, RPD	6/29/2015	Pesticide	Trithion	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	method blank	7/11/2015	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS dup	7/11/2015	Pesticide	Trithion	n/a	=	5.14	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS dup, rec	7/11/2015	Pesticide	Trithion	n/a	=	103	%	EPA 525.2	-88	-88	60	124	
2014/15-6	Lab	LCS, RPD	7/11/2015	Pesticide	Trithion	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/11/2015	Pesticide	Trithion	n/a	=	5.5	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS, rec	7/11/2015	Pesticide	Trithion	n/a	=	110	%	EPA 525.2	-88	-88	60	124	
2014/15-6	Lab	method blank	7/14/2015	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS dup	7/14/2015	Pesticide	Trithion	n/a	=	4.09	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS dup, rec	7/14/2015	Pesticide	Trithion	n/a	=	82	%	EPA 525.2	-88	-88	60	124	
2014/15-6	Lab	LCS, RPD	7/14/2015	Pesticide	Trithion	n/a	=	19	%	EPA 525.2	-88	-88	0	30	
2014/15-6	Lab	LCS	7/14/2015	Pesticide	Trithion	n/a	=	4.95	µg/L	EPA 525.2	0.012	0.1			
2014/15-6	Lab	LCS, rec	7/14/2015	Pesticide	Trithion	n/a	=	99	%	EPA 525.2	-88	-88	60	124	
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Aluminum	Total	DNQ	3.4	µg/L	EPA 200.8	2.1	5			
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Aluminum	Total	=	53.2	µg/L	EPA 200.8	2.1	5			
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Aluminum	Total	=	99	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Aluminum	Total	=	55.9	µg/L	EPA 200.8	2.1	5			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Aluminum	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Aluminum	Total	=	5	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Aluminum	Total	<	2.1	µg/L	EPA 200.8	2.1	5			
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Aluminum	Total	=	54.3	µg/L	EPA 200.8	2.1	5			
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Aluminum	Total	=	109	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Aluminum	Total	=	6.9	µg/L	EPA 200.8	2.1	5			
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Antimony	Total	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Antimony	Total	=	52.2	µg/L	EPA 200.8	0.034	0.5			
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Antimony	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Antimony	Total	=	52.8	µg/L	EPA 200.8	0.034	0.5			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Antimony	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Antimony	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Antimony	Total	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Antimony	Total	=	50	µg/L	EPA 200.8	0.034	0.5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Antimony	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Antimony	Total	<	0.034	µg/L	EPA 200.8	0.034	0.5			
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Arsenic	Total	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Arsenic	Total	=	50.5	µg/L	EPA 200.8	0.13	0.4			
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Arsenic	Total	=	50.4	µg/L	EPA 200.8	0.13	0.4			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Arsenic	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Arsenic	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Arsenic	Total	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Arsenic	Total	=	52	µg/L	EPA 200.8	0.13	0.4			
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Arsenic	Total	=	104	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Arsenic	Total	<	0.13	µg/L	EPA 200.8	0.13	0.4			
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Beryllium	Total	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Beryllium	Total	=	54	µg/L	EPA 200.8	0.015	0.1			
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Beryllium	Total	=	108	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Beryllium	Total	=	54.1	µg/L	EPA 200.8	0.015	0.1			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Beryllium	Total	=	108	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Beryllium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Beryllium	Total	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Beryllium	Total	=	51.2	µg/L	EPA 200.8	0.015	0.1			
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Beryllium	Total	=	102	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Beryllium	Total	<	0.015	µg/L	EPA 200.8	0.015	0.1			
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Cadmium	Total	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Cadmium	Total	=	50.3	µg/L	EPA 200.8	0.017	0.1			
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Cadmium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Cadmium	Total	=	50.5	µg/L	EPA 200.8	0.017	0.1			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Cadmium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Cadmium	Total	=	0.2	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Cadmium	Total	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Cadmium	Total	=	52.5	µg/L	EPA 200.8	0.017	0.1			
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Cadmium	Total	=	105	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Cadmium	Total	<	0.017	µg/L	EPA 200.8	0.017	0.1			
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Chromium	Total	DNQ	0.048	µg/L	EPA 200.8	0.024	0.2			
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Chromium	Total	=	50.9	µg/L	EPA 200.8	0.024	0.2			
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Chromium	Total	=	51.2	µg/L	EPA 200.8	0.024	0.2			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Chromium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Chromium	Total	=	0.6	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Chromium	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Chromium	Total	=	53.7	µg/L	EPA 200.8	0.024	0.2			
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Chromium	Total	=	107	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Chromium	Total	DNQ	0.16	µg/L	EPA 200.8	0.024	0.2			
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Copper	Total	=	0.85	µg/L	EPA 200.8	0.036	0.5			
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Copper	Total	=	52.9	µg/L	EPA 200.8	0.036	0.5			
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Copper	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Copper	Total	=	52.9	µg/L	EPA 200.8	0.036	0.5			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Copper	Total	=	104	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Copper	Total	=	0.1	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Copper	Total	<	0.036	µg/L	EPA 200.8	0.036	0.5			
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Copper	Total	=	54.4	µg/L	EPA 200.8	0.036	0.5			
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Copper	Total	=	109	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Copper	Total	DNQ	0.26	µg/L	EPA 200.8	0.036	0.5			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Metal	Iron	Total	=	538	µg/L	EPA 200.7	1.1	10			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Metal	Iron	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Metal	Iron	Total	=	537	µg/L	EPA 200.7	1.1	10			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Metal	Iron	Total	=	104	%	EPA 200.7	-88	-88	70	130	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Metal	Iron	Total	=	0.2	%	EPA 200.7	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Metal	Iron	Total	=	215	µg/L	EPA 200.7	1.1	10			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Metal	Iron	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Metal	Iron	Total	=	215	µg/L	EPA 200.7	1.1	10			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Metal	Iron	Total	=	100	%	EPA 200.7	-88	-88	70	130	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Metal	Iron	Total	=	0.1	%	EPA 200.7	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/3/2014	Metal	Iron	Total	<	1.1	µg/L	EPA 200.7	1.1	10			
2014/15-PRE	Lab	method blank	9/3/2014	Metal	Iron	Total	DNQ	3.98	µg/L	EPA 200.7	1.1	10			IP
2014/15-PRE	Lab	LCS	9/3/2014	Metal	Iron	Total	=	195	µg/L	EPA 200.7	1.1	10			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Metal	Iron	Total	=	97	%	EPA 200.7	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	9/3/2014	Metal	Iron	Total	DNQ	5.5	µg/L	EPA 200.7	1.1	10			IP
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Lead	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Lead	Total	=	53.8	µg/L	EPA 200.8	0.024	0.2			
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Lead	Total	=	108	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Lead	Total	=	54.3	µg/L	EPA 200.8	0.024	0.2			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Lead	Total	=	109	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Lead	Total	=	0.8	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Lead	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Lead	Total	=	51.3	µg/L	EPA 200.8	0.024	0.2			
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Lead	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Lead	Total	<	0.024	µg/L	EPA 200.8	0.024	0.2			
2014/15-PRE	000NONPJ	matrix spike	8/29/2014	Metal	Mercury	Total	=	909	ng/L	EPA 245.1	3.9	50			
2014/15-PRE	000NONPJ	matrix spike dup	8/29/2014	Metal	Mercury	Total	=	925	ng/L	EPA 245.1	3.9	50			
2014/15-PRE	000NONPJ	matrix spike dup, rec	8/29/2014	Metal	Mercury	Total	=	92	%	EPA 245.1	-88	-88	70	130	
2014/15-PRE	000NONPJ	matrix spike, rec	8/29/2014	Metal	Mercury	Total	=	90	%	EPA 245.1	-88	-88	70	130	
2014/15-PRE	000NONPJ	matrix spike, RPD	8/29/2014	Metal	Mercury	Total	=	2	%	EPA 245.1	-88	-88	0	20	
2014/15-PRE	Carboy Blank	equip blank	8/29/2014	Metal	Mercury	Total	DNQ	7	ng/L	EPA 245.1	3.9	50			IP
2014/15-PRE	Carboy Blank	matrix spike	8/29/2014	Metal	Mercury	Total	=	950	ng/L	EPA 245.1	3.9	50			
2014/15-PRE	Carboy Blank	matrix spike dup	8/29/2014	Metal	Mercury	Total	=	948	ng/L	EPA 245.1	3.9	50			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/29/2014	Metal	Mercury	Total	=	94	%	EPA 245.1	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, rec	8/29/2014	Metal	Mercury	Total	=	94	%	EPA 245.1	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/29/2014	Metal	Mercury	Total	=	0.2	%	EPA 245.1	-88	-88	0	20	
2014/15-PRE	Lab	LCS	8/29/2014	Metal	Mercury	Total	=	867	ng/L	EPA 245.1	3.9	50			
2014/15-PRE	Lab	LCS, rec	8/29/2014	Metal	Mercury	Total	=	87	%	EPA 245.1	-88	-88	85	115	
2014/15-PRE	Lab	method blank	8/29/2014	Metal	Mercury	Total	DNQ	4	ng/L	EPA 245.1	3.9	50			IP
2014/15-PRE	Tubing Blank	equip blank	8/29/2014	Metal	Mercury	Total	DNQ	7	ng/L	EPA 245.1	3.9	50			IP
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Nickel	Total	<	0.091	µg/L	EPA 200.8	0.091	0.8			
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Nickel	Total	=	52.6	µg/L	EPA 200.8	0.091	0.8			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Nickel	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Nickel	Total	=	52	µg/L	EPA 200.8	0.091	0.8			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Nickel	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Nickel	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Nickel	Total	<	0.091	µg/L	EPA 200.8	0.091	0.8			
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Nickel	Total	=	53.8	µg/L	EPA 200.8	0.091	0.8			
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Nickel	Total	=	108	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Nickel	Total	DNQ	0.18	µg/L	EPA 200.8	0.091	0.8			
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Selenium	Total	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Selenium	Total	=	50.3	µg/L	EPA 200.8	0.081	0.4			
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Selenium	Total	=	101	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Selenium	Total	=	51	µg/L	EPA 200.8	0.081	0.4			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Selenium	Total	=	102	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Selenium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Selenium	Total	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Selenium	Total	=	51.6	µg/L	EPA 200.8	0.081	0.4			
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Selenium	Total	=	103	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Selenium	Total	<	0.081	µg/L	EPA 200.8	0.081	0.4			
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Silver	Total	DNQ	0.012	µg/L	EPA 200.8	0.012	0.2			
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Silver	Total	=	52.4	µg/L	EPA 200.8	0.012	0.2			
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Silver	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Silver	Total	=	53.1	µg/L	EPA 200.8	0.012	0.2			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Silver	Total	=	106	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Silver	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Silver	Total	<	0.012	µg/L	EPA 200.8	0.012	0.2			
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Silver	Total	=	50.1	µg/L	EPA 200.8	0.012	0.2			
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Silver	Total	=	100	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Silver	Total	DNQ	0.028	µg/L	EPA 200.8	0.012	0.2			
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Thallium	Total	=	56	µg/L	EPA 200.8	0.034	0.2			
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Thallium	Total	=	112	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Thallium	Total	=	56.8	µg/L	EPA 200.8	0.034	0.2			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Thallium	Total	=	114	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Thallium	Total	=	1	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Thallium	Total	=	54.6	µg/L	EPA 200.8	0.034	0.2			
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Thallium	Total	=	109	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2			
2014/15-PRE	Carboy Blank	equip blank	8/28/2014	Metal	Zinc	Total	DNQ	1.9	µg/L	EPA 200.8	0.5	5			IP
2014/15-PRE	Carboy Blank	matrix spike	8/28/2014	Metal	Zinc	Total	=	54.3	µg/L	EPA 200.8	0.5	5			
2014/15-PRE	Carboy Blank	matrix spike, rec	8/28/2014	Metal	Zinc	Total	=	105	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike dup	8/28/2014	Metal	Zinc	Total	=	54.1	µg/L	EPA 200.8	0.5	5			
2014/15-PRE	Carboy Blank	matrix spike dup, rec	8/28/2014	Metal	Zinc	Total	=	104	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE	Carboy Blank	matrix spike, RPD	8/28/2014	Metal	Zinc	Total	=	0.5	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE	Lab	method blank	8/28/2014	Metal	Zinc	Total	DNQ	0.778	µg/L	EPA 200.8	0.5	5			IP
2014/15-PRE	Lab	LCS	8/28/2014	Metal	Zinc	Total	=	55.1	µg/L	EPA 200.8	0.5	5			
2014/15-PRE	Lab	LCS, rec	8/28/2014	Metal	Zinc	Total	=	110	%	EPA 200.8	-88	-88	85	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Tubing Blank	equip blank	8/28/2014	Metal	Zinc	Total	DNQ	1.1	µg/L	EPA 200.8	0.5	5			IP
2014/15-PRE	000NONPJ	matrix spike	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	4.87	mg/L	EPA 353.2	0.01	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2014/15-PRE	000NONPJ	matrix spike dup	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	4.76	mg/L	EPA 353.2	0.01	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	96	%	EPA 353.2	-88	-88	90	110	
2014/15-PRE	000NONPJ	matrix spike, RPD	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	2	%	EPA 353.2	-88	-88	0	20	
2014/15-PRE	000NONPJ	matrix spike	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	6.93	mg/L	EPA 353.2	0.01	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	102	%	EPA 353.2	-88	-88	90	110	
2014/15-PRE	000NONPJ	matrix spike dup	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	6.84	mg/L	EPA 353.2	0.01	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	97	%	EPA 353.2	-88	-88	90	110	
2014/15-PRE	000NONPJ	matrix spike, RPD	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	1	%	EPA 353.2	-88	-88	0	20	
2014/15-PRE	Carboy Blank	equip blank	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-PRE	Lab	method blank	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	<	0.01	mg/L	EPA 353.2	0.01	0.1			
2014/15-PRE	Lab	LCS	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	0.985	mg/L	EPA 353.2	0.01	0.1			
2014/15-PRE	Lab	LCS, rec	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	=	98	%	EPA 353.2	-88	-88	90	110	
2014/15-PRE	Tubing Blank	equip blank	8/21/2014	Nutrient	Nitrate + Nitrite as N	n/a	DNQ	0.011	mg/L	EPA 353.2	0.01	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	21.4	µg/L	EPA 625	0.55	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	86	%	EPA 625	-88	-88	44	142	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	19.5	µg/L	EPA 625	0.55	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	78	%	EPA 625	-88	-88	44	142	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	15.6	µg/L	EPA 625	0.55	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	65	%	EPA 625	-88	-88	44	142	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	18.3	µg/L	EPA 625	0.55	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	77	%	EPA 625	-88	-88	44	142	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	19.9	µg/L	EPA 625	0.55	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	79	%	EPA 625	-88	-88	44	142	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	1,2-Dichlorobenzene	n/a	=	18.9	µg/L	EPA 625	0.57	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	1,2-Dichlorobenzene	n/a	=	76	%	EPA 625	-88	-88	32	129	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	1,2-Dichlorobenzene	n/a	=	17.7	µg/L	EPA 625	0.57	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	1,2-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	32	129	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	1,2-Dichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	1,2-Dichlorobenzene	n/a	=	19.2	µg/L	EPA 625	0.57	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	1,2-Dichlorobenzene	n/a	=	81	%	EPA 625	-88	-88	32	129	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	1,2-Dichlorobenzene	n/a	=	22.2	µg/L	EPA 625	0.57	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	1,2-Dichlorobenzene	n/a	=	93	%	EPA 625	-88	-88	32	129	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	1,2-Dichlorobenzene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	1,2-Dichlorobenzene	n/a	=	18	µg/L	EPA 625	0.57	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	1,2-Dichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	32	129	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Lab	method blank	9/3/2014	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	1,3-Dichlorobenzene	n/a	=	17.8	µg/L	EPA 625	0.53	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	1,3-Dichlorobenzene	n/a	=	71	%	EPA 625	-88	-88	0.1	172	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	1,3-Dichlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.53	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	1,3-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	0.1	172	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	1,3-Dichlorobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	1,3-Dichlorobenzene	n/a	=	14.4	µg/L	EPA 625	0.53	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	1,3-Dichlorobenzene	n/a	=	60	%	EPA 625	-88	-88	0.1	172	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	1,3-Dichlorobenzene	n/a	=	16.5	µg/L	EPA 625	0.53	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	1,3-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	0.1	172	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	1,3-Dichlorobenzene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	1,3-Dichlorobenzene	n/a	=	17.1	µg/L	EPA 625	0.53	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	1,3-Dichlorobenzene	n/a	=	68	%	EPA 625	-88	-88	0.1	172	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-PRE	000NONPJ	srgt matrix spike	9/10/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.24	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/10/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	105	%	EPA 525.2	-88	-88	73	138	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/10/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.75	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/10/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	115	%	EPA 525.2	-88	-88	73	138	
2014/15-PRE	Carboy Blank	srgt equip blank	9/10/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.21	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	Carboy Blank	srgt equip blank, rec	9/10/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	73	138	
2014/15-PRE	Lab	srgt method blank	9/10/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.05	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	Lab	srgt method blank, rec	9/10/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	73	138	
2014/15-PRE	Lab	srgt LCS	9/10/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.06	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	Lab	srgt LCS, rec	9/10/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	101	%	EPA 525.2	-88	-88	73	138	
2014/15-PRE	Tubing Blank	srgt equip blank	9/10/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.24	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	Tubing Blank	srgt equip blank, rec	9/10/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	1,4-Dichlorobenzene	n/a	=	18.5	µg/L	EPA 625	0.55	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	1,4-Dichlorobenzene	n/a	=	74	%	EPA 625	-88	-88	20	124	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	1,4-Dichlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.55	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	1,4-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	20	124	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	1,4-Dichlorobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	1,4-Dichlorobenzene	n/a	=	15	µg/L	EPA 625	0.55	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	1,4-Dichlorobenzene	n/a	=	63	%	EPA 625	-88	-88	20	124	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	1,4-Dichlorobenzene	n/a	=	17.2	µg/L	EPA 625	0.55	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	1,4-Dichlorobenzene	n/a	=	72	%	EPA 625	-88	-88	20	124	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	1,4-Dichlorobenzene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	1,4-Dichlorobenzene	n/a	=	17.6	µg/L	EPA 625	0.55	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	1,4-Dichlorobenzene	n/a	=	70	%	EPA 625	-88	-88	20	124	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-PRE	000NONPJ	srgt matrix spike	9/3/2014	Organic	2,4,6-Tribromophenol	n/a	=	51.5	µg/L	EPA 625	-88	-88			GN
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/3/2014	Organic	2,4,6-Tribromophenol	n/a	=	103	%	EPA 625	-88	-88	25	102	GN
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/3/2014	Organic	2,4,6-Tribromophenol	n/a	=	48.8	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/3/2014	Organic	2,4,6-Tribromophenol	n/a	=	98	%	EPA 625	-88	-88	25	102	
2014/15-PRE	000NONPJ	srgt matrix spike	9/4/2014	Organic	2,4,6-Tribromophenol	n/a	=	42.1	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/4/2014	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625	-88	-88	25	102	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/4/2014	Organic	2,4,6-Tribromophenol	n/a	=	43.9	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/4/2014	Organic	2,4,6-Tribromophenol	n/a	=	92	%	EPA 625	-88	-88	25	102	
2014/15-PRE	Carboy Blank	srgt equip blank	9/4/2014	Organic	2,4,6-Tribromophenol	n/a	=	48.8	µg/L	EPA 625	-88	-88			
2014/15-PRE	Carboy Blank	srgt equip blank, rec	9/4/2014	Organic	2,4,6-Tribromophenol	n/a	=	98	%	EPA 625	-88	-88	25	102	
2014/15-PRE	Lab	srgt method blank	9/3/2014	Organic	2,4,6-Tribromophenol	n/a	=	48	µg/L	EPA 625	-88	-88			
2014/15-PRE	Lab	srgt method blank, rec	9/3/2014	Organic	2,4,6-Tribromophenol	n/a	=	96	%	EPA 625	-88	-88	25	102	
2014/15-PRE	Lab	srgt LCS	9/3/2014	Organic	2,4,6-Tribromophenol	n/a	=	50.9	µg/L	EPA 625	-88	-88			
2014/15-PRE	Lab	srgt LCS, rec	9/3/2014	Organic	2,4,6-Tribromophenol	n/a	=	102	%	EPA 625	-88	-88	25	102	
2014/15-PRE	Tubing Blank	srgt equip blank	9/4/2014	Organic	2,4,6-Tribromophenol	n/a	=	44.5	µg/L	EPA 625	-88	-88			
2014/15-PRE	Tubing Blank	srgt equip blank, rec	9/4/2014	Organic	2,4,6-Tribromophenol	n/a	=	89	%	EPA 625	-88	-88	25	102	
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	2,4,6-Trichlorophenol	n/a	=	21.8	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	2,4,6-Trichlorophenol	n/a	=	87	%	EPA 625	-88	-88	37	144	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	2,4,6-Trichlorophenol	n/a	=	20.2	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	2,4,6-Trichlorophenol	n/a	=	81	%	EPA 625	-88	-88	37	144	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	2,4,6-Trichlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	2,4,6-Trichlorophenol	n/a	=	22.7	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	2,4,6-Trichlorophenol	n/a	=	96	%	EPA 625	-88	-88	37	144	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	2,4,6-Trichlorophenol	n/a	=	24	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	2,4,6-Trichlorophenol	n/a	=	101	%	EPA 625	-88	-88	37	144	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	2,4,6-Trichlorophenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	2,4,6-Trichlorophenol	n/a	=	20.6	µg/L	EPA 625	0.22	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	2,4,6-Trichlorophenol	n/a	=	82	%	EPA 625	-88	-88	37	144	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	2,4-Dichlorophenol	n/a	=	24.2	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	2,4-Dichlorophenol	n/a	=	97	%	EPA 625	-88	-88	39	135	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	2,4-Dichlorophenol	n/a	=	22.4	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	2,4-Dichlorophenol	n/a	=	90	%	EPA 625	-88	-88	39	135	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	2,4-Dichlorophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	2,4-Dichlorophenol	n/a	=	18.5	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	2,4-Dichlorophenol	n/a	=	78	%	EPA 625	-88	-88	39	135	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	2,4-Dichlorophenol	n/a	=	21.5	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	2,4-Dichlorophenol	n/a	=	90	%	EPA 625	-88	-88	39	135	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	2,4-Dichlorophenol	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	2,4-Dichlorophenol	n/a	=	22.7	µg/L	EPA 625	0.26	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	2,4-Dichlorophenol	n/a	=	91	%	EPA 625	-88	-88	39	135	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	2,4-Dimethylphenol	n/a	=	18.3	µg/L	EPA 625	0.3	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	2,4-Dimethylphenol	n/a	=	73	%	EPA 625	-88	-88	32	119	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	2,4-Dimethylphenol	n/a	=	17	µg/L	EPA 625	0.3	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	2,4-Dimethylphenol	n/a	=	68	%	EPA 625	-88	-88	32	119	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	2,4-Dimethylphenol	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	2,4-Dimethylphenol	n/a	DNQ	0.648	µg/L	EPA 625	0.3	1			GB
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	2,4-Dimethylphenol	n/a	=	3	%	EPA 625	-88	-88	32	119	GB
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	2,4-Dimethylphenol	n/a	DNQ	0.61	µg/L	EPA 625	0.3	1			GB
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	2,4-Dimethylphenol	n/a	=	3	%	EPA 625	-88	-88	32	119	GB
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	2,4-Dimethylphenol	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	2,4-Dimethylphenol	n/a	=	16.4	µg/L	EPA 625	0.3	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	2,4-Dimethylphenol	n/a	=	66	%	EPA 625	-88	-88	32	119	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	2,4-Dinitrophenol	n/a	=	27.1	µg/L	EPA 625	1.6	10			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	2,4-Dinitrophenol	n/a	=	108	%	EPA 625	-88	-88	0.1	191	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	2,4-Dinitrophenol	n/a	=	25	µg/L	EPA 625	1.6	10			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	2,4-Dinitrophenol	n/a	=	100	%	EPA 625	-88	-88	0.1	191	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	2,4-Dinitrophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	2,4-Dinitrophenol	n/a	=	29.2	µg/L	EPA 625	1.6	10			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	2,4-Dinitrophenol	n/a	=	123	%	EPA 625	-88	-88	0.1	191	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	2,4-Dinitrophenol	n/a	=	26.9	µg/L	EPA 625	1.6	10			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	2,4-Dinitrophenol	n/a	=	113	%	EPA 625	-88	-88	0.1	191	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	2,4-Dinitrophenol	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	2,4-Dinitrophenol	n/a	=	23.6	µg/L	EPA 625	1.6	10			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	2,4-Dinitrophenol	n/a	=	94	%	EPA 625	-88	-88	0.1	191	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	2,4-Dinitrotoluene	n/a	=	25.3	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	2,4-Dinitrotoluene	n/a	=	101	%	EPA 625	-88	-88	39	139	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	2,4-Dinitrotoluene	n/a	=	24	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	2,4-Dinitrotoluene	n/a	=	96	%	EPA 625	-88	-88	39	139	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	2,4-Dinitrotoluene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	2,4-Dinitrotoluene	n/a	=	23	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	2,4-Dinitrotoluene	n/a	=	96	%	EPA 625	-88	-88	39	139	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	2,4-Dinitrotoluene	n/a	=	23.6	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	2,4-Dinitrotoluene	n/a	=	99	%	EPA 625	-88	-88	39	139	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	2,4-Dinitrotoluene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	2,4-Dinitrotoluene	n/a	=	24	µg/L	EPA 625	0.18	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	2,4-Dinitrotoluene	n/a	=	96	%	EPA 625	-88	-88	39	139	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	2,6-Dinitrotoluene	n/a	=	25.1	µg/L	EPA 625	0.27	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	2,6-Dinitrotoluene	n/a	=	100	%	EPA 625	-88	-88	50	158	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	2,6-Dinitrotoluene	n/a	=	23.1	µg/L	EPA 625	0.27	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	2,6-Dinitrotoluene	n/a	=	92	%	EPA 625	-88	-88	50	158	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	2,6-Dinitrotoluene	n/a	=	8	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	2,6-Dinitrotoluene	n/a	=	28.4	µg/L	EPA 625	0.27	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	2,6-Dinitrotoluene	n/a	=	119	%	EPA 625	-88	-88	50	158	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	2,6-Dinitrotoluene	n/a	=	29.5	µg/L	EPA 625	0.27	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	2,6-Dinitrotoluene	n/a	=	124	%	EPA 625	-88	-88	50	158	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	2,6-Dinitrotoluene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	2,6-Dinitrotoluene	n/a	=	23.1	µg/L	EPA 625	0.27	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	2,6-Dinitrotoluene	n/a	=	93	%	EPA 625	-88	-88	50	158	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	2-Chloronaphthalene	n/a	=	22.7	µg/L	EPA 625	0.45	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	2-Chloronaphthalene	n/a	=	91	%	EPA 625	-88	-88	60	118	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	2-Chloronaphthalene	n/a	=	20.6	µg/L	EPA 625	0.45	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	2-Chloronaphthalene	n/a	=	82	%	EPA 625	-88	-88	60	118	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	2-Chloronaphthalene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	2-Chloronaphthalene	n/a	=	18.4	µg/L	EPA 625	0.45	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	2-Chloronaphthalene	n/a	=	77	%	EPA 625	-88	-88	60	118	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	2-Chloronaphthalene	n/a	=	20.6	µg/L	EPA 625	0.45	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	2-Chloronaphthalene	n/a	=	87	%	EPA 625	-88	-88	60	118	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	2-Chloronaphthalene	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	2-Chloronaphthalene	n/a	=	20.9	µg/L	EPA 625	0.45	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	2-Chloronaphthalene	n/a	=	83	%	EPA 625	-88	-88	60	118	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	2-Chlorophenol	n/a	=	18.6	µg/L	EPA 625	0.28	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	2-Chlorophenol	n/a	=	74	%	EPA 625	-88	-88	23	134	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	2-Chlorophenol	n/a	=	18.2	µg/L	EPA 625	0.28	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	2-Chlorophenol	n/a	=	73	%	EPA 625	-88	-88	23	134	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	2-Chlorophenol	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	2-Chlorophenol	n/a	=	13.7	µg/L	EPA 625	0.28	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	2-Chlorophenol	n/a	=	58	%	EPA 625	-88	-88	23	134	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	2-Chlorophenol	n/a	=	16.4	µg/L	EPA 625	0.28	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	2-Chlorophenol	n/a	=	69	%	EPA 625	-88	-88	23	134	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	2-Chlorophenol	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	2-Chlorophenol	n/a	=	17.9	µg/L	EPA 625	0.28	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	2-Chlorophenol	n/a	=	72	%	EPA 625	-88	-88	23	134	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-PRE	000NONPJ	srgt matrix spike	9/3/2014	Organic	2-Fluorobiphenyl	n/a	=	20.7	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/3/2014	Organic	2-Fluorobiphenyl	n/a	=	83	%	EPA 625	-88	-88	22	107	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/3/2014	Organic	2-Fluorobiphenyl	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/3/2014	Organic	2-Fluorobiphenyl	n/a	=	79	%	EPA 625	-88	-88	22	107	
2014/15-PRE	000NONPJ	srgt matrix spike	9/4/2014	Organic	2-Fluorobiphenyl	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/4/2014	Organic	2-Fluorobiphenyl	n/a	=	77	%	EPA 625	-88	-88	22	107	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/4/2014	Organic	2-Fluorobiphenyl	n/a	=	20.1	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/4/2014	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 625	-88	-88	22	107	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Carboy Blank	srgt equip blank	9/4/2014	Organic	2-Fluorobiphenyl	n/a	=	21	µg/L	EPA 625	-88	-88			
2014/15-PRE	Carboy Blank	srgt equip blank, rec	9/4/2014	Organic	2-Fluorobiphenyl	n/a	=	84	%	EPA 625	-88	-88	22	107	
2014/15-PRE	Lab	srgt method blank	9/3/2014	Organic	2-Fluorobiphenyl	n/a	=	17.7	µg/L	EPA 625	-88	-88			
2014/15-PRE	Lab	srgt method blank, rec	9/3/2014	Organic	2-Fluorobiphenyl	n/a	=	71	%	EPA 625	-88	-88	22	107	
2014/15-PRE	Lab	srgt LCS	9/3/2014	Organic	2-Fluorobiphenyl	n/a	=	19.6	µg/L	EPA 625	-88	-88			
2014/15-PRE	Lab	srgt LCS, rec	9/3/2014	Organic	2-Fluorobiphenyl	n/a	=	78	%	EPA 625	-88	-88	22	107	
2014/15-PRE	Tubing Blank	srgt equip blank	9/4/2014	Organic	2-Fluorobiphenyl	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2014/15-PRE	Tubing Blank	srgt equip blank, rec	9/4/2014	Organic	2-Fluorobiphenyl	n/a	=	75	%	EPA 625	-88	-88	22	107	
2014/15-PRE	000NONPJ	srgt matrix spike	9/3/2014	Organic	2-Fluorophenol	n/a	=	21.9	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/3/2014	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/3/2014	Organic	2-Fluorophenol	n/a	=	21.5	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/3/2014	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2014/15-PRE	000NONPJ	srgt matrix spike	9/4/2014	Organic	2-Fluorophenol	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/4/2014	Organic	2-Fluorophenol	n/a	=	31	%	EPA 625	-88	-88	3	74	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/4/2014	Organic	2-Fluorophenol	n/a	=	18.1	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/4/2014	Organic	2-Fluorophenol	n/a	=	38	%	EPA 625	-88	-88	3	74	
2014/15-PRE	Carboy Blank	srgt equip blank	9/4/2014	Organic	2-Fluorophenol	n/a	=	24.4	µg/L	EPA 625	-88	-88			
2014/15-PRE	Carboy Blank	srgt equip blank, rec	9/4/2014	Organic	2-Fluorophenol	n/a	=	49	%	EPA 625	-88	-88	3	74	
2014/15-PRE	Lab	srgt method blank	9/3/2014	Organic	2-Fluorophenol	n/a	=	23.8	µg/L	EPA 625	-88	-88			
2014/15-PRE	Lab	srgt method blank, rec	9/3/2014	Organic	2-Fluorophenol	n/a	=	48	%	EPA 625	-88	-88	3	74	
2014/15-PRE	Lab	srgt LCS	9/3/2014	Organic	2-Fluorophenol	n/a	=	22.1	µg/L	EPA 625	-88	-88			
2014/15-PRE	Lab	srgt LCS, rec	9/3/2014	Organic	2-Fluorophenol	n/a	=	44	%	EPA 625	-88	-88	3	74	
2014/15-PRE	Tubing Blank	srgt equip blank	9/4/2014	Organic	2-Fluorophenol	n/a	=	22.7	µg/L	EPA 625	-88	-88			
2014/15-PRE	Tubing Blank	srgt equip blank, rec	9/4/2014	Organic	2-Fluorophenol	n/a	=	45	%	EPA 625	-88	-88	3	74	
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	2-Nitrophenol	n/a	=	24.2	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	2-Nitrophenol	n/a	=	97	%	EPA 625	-88	-88	29	182	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	2-Nitrophenol	n/a	=	22	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	2-Nitrophenol	n/a	=	88	%	EPA 625	-88	-88	29	182	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	2-Nitrophenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	2-Nitrophenol	n/a	=	17.5	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	2-Nitrophenol	n/a	=	73	%	EPA 625	-88	-88	29	182	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	2-Nitrophenol	n/a	=	21.4	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	2-Nitrophenol	n/a	=	90	%	EPA 625	-88	-88	29	182	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	2-Nitrophenol	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	2-Nitrophenol	n/a	=	22.3	µg/L	EPA 625	0.26	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	2-Nitrophenol	n/a	=	89	%	EPA 625	-88	-88	29	182	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	16.4	µg/L	EPA 625	1.2	5			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	66	%	EPA 625	-88	-88	0.1	262	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	15.4	µg/L	EPA 625	1.2	5			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	62	%	EPA 625	-88	-88	0.1	262	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			GB
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	0	%	EPA 625	-88	-88	0.1	262	GB
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			GB

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	0	%	EPA 625	-88	-88	0.1	262	GB
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	0	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	16.8	µg/L	EPA 625	1.2	5			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	6.7	%	EPA 625	-88	-88	0.1	262	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	29.6	µg/L	EPA 625	1.7	5			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	118	%	EPA 625	-88	-88	0.1	181	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	27.1	µg/L	EPA 625	1.7	5			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	108	%	EPA 625	-88	-88	0.1	181	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	28	µg/L	EPA 625	1.7	5			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	118	%	EPA 625	-88	-88	0.1	181	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	26.8	µg/L	EPA 625	1.7	5			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	113	%	EPA 625	-88	-88	0.1	181	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	26.8	µg/L	EPA 625	1.7	5			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	107	%	EPA 625	-88	-88	0.1	181	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	21.6	µg/L	EPA 625	0.36	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	86	%	EPA 625	-88	-88	53	127	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	20.2	µg/L	EPA 625	0.36	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	81	%	EPA 625	-88	-88	53	127	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	18.3	µg/L	EPA 625	0.36	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	77	%	EPA 625	-88	-88	53	127	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	18.5	µg/L	EPA 625	0.36	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	78	%	EPA 625	-88	-88	53	127	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	20.9	µg/L	EPA 625	0.36	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	83	%	EPA 625	-88	-88	53	127	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	4-Chloro-3-methylphenol	n/a	=	22.7	µg/L	EPA 625	0.23	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	4-Chloro-3-methylphenol	n/a	=	91	%	EPA 625	-88	-88	22	147	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	4-Chloro-3-methylphenol	n/a	=	21.6	µg/L	EPA 625	0.23	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	4-Chloro-3-methylphenol	n/a	=	86	%	EPA 625	-88	-88	22	147	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	4-Chloro-3-methylphenol	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	4-Chloro-3-methylphenol	n/a	=	16.3	µg/L	EPA 625	0.23	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	4-Chloro-3-methylphenol	n/a	=	69	%	EPA 625	-88	-88	22	147	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	4-Chloro-3-methylphenol	n/a	=	17.3	µg/L	EPA 625	0.23	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	4-Chloro-3-methylphenol	n/a	=	73	%	EPA 625	-88	-88	22	147	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	4-Chloro-3-methylphenol	n/a	=	6	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	4-Chloro-3-methylphenol	n/a	=	21.6	µg/L	EPA 625	0.23	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	4-Chloro-3-methylphenol	n/a	=	86	%	EPA 625	-88	-88	22	147	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.8	µg/L	EPA 625	0.41	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	87	%	EPA 625	-88	-88	25	158	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	20.9	µg/L	EPA 625	0.41	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	84	%	EPA 625	-88	-88	25	158	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	18.9	µg/L	EPA 625	0.41	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	79	%	EPA 625	-88	-88	25	158	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	19.5	µg/L	EPA 625	0.41	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	82	%	EPA 625	-88	-88	25	158	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.4	µg/L	EPA 625	0.41	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	85	%	EPA 625	-88	-88	25	158	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	4-Nitrophenol	n/a	=	8.97	µg/L	EPA 625	0.45	5			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	4-Nitrophenol	n/a	=	36	%	EPA 625	-88	-88	0.1	132	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	4-Nitrophenol	n/a	=	8.63	µg/L	EPA 625	0.45	5			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	4-Nitrophenol	n/a	=	35	%	EPA 625	-88	-88	0.1	132	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	4-Nitrophenol	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	4-Nitrophenol	n/a	=	7.35	µg/L	EPA 625	0.45	5			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	4-Nitrophenol	n/a	=	31	%	EPA 625	-88	-88	0.1	132	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	4-Nitrophenol	n/a	=	8.2	µg/L	EPA 625	0.45	5			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	4-Nitrophenol	n/a	=	34	%	EPA 625	-88	-88	0.1	132	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	4-Nitrophenol	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	4-Nitrophenol	n/a	=	8.09	µg/L	EPA 625	0.45	5			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	4-Nitrophenol	n/a	=	32	%	EPA 625	-88	-88	0.1	132	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Acenaphthene	n/a	=	22	µg/L	EPA 625	0.38	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Acenaphthene	n/a	=	88	%	EPA 625	-88	-88	47	145	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Acenaphthene	n/a	=	21	µg/L	EPA 625	0.38	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Acenaphthene	n/a	=	84	%	EPA 625	-88	-88	47	145	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Acenaphthene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Acenaphthene	n/a	=	18.7	µg/L	EPA 625	0.38	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Acenaphthene	n/a	=	78	%	EPA 625	-88	-88	47	145	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Acenaphthene	n/a	=	19.9	µg/L	EPA 625	0.38	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Acenaphthene	n/a	=	84	%	EPA 625	-88	-88	47	145	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Acenaphthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Acenaphthene	n/a	=	20.9	µg/L	EPA 625	0.38	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Acenaphthene	n/a	=	84	%	EPA 625	-88	-88	47	145	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Acenaphthylene	n/a	=	24.4	µg/L	EPA 625	0.4	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Acenaphthylene	n/a	=	98	%	EPA 625	-88	-88	33	145	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Acenaphthylene	n/a	=	22.2	µg/L	EPA 625	0.4	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Acenaphthylene	n/a	=	89	%	EPA 625	-88	-88	33	145	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Acenaphthylene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Acenaphthylene	n/a	=	19.7	µg/L	EPA 625	0.4	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Acenaphthylene	n/a	=	83	%	EPA 625	-88	-88	33	145	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Acenaphthylene	n/a	=	21.2	µg/L	EPA 625	0.4	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Acenaphthylene	n/a	=	89	%	EPA 625	-88	-88	33	145	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Acenaphthylene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Acenaphthylene	n/a	=	22.3	µg/L	EPA 625	0.4	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Acenaphthylene	n/a	=	89	%	EPA 625	-88	-88	33	145	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Anthracene	n/a	=	22.3	µg/L	EPA 625	0.34	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Anthracene	n/a	=	89	%	EPA 625	-88	-88	27	133	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Anthracene	n/a	=	21.4	µg/L	EPA 625	0.34	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Anthracene	n/a	=	86	%	EPA 625	-88	-88	27	133	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Anthracene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Anthracene	n/a	=	18.3	µg/L	EPA 625	0.34	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Anthracene	n/a	=	77	%	EPA 625	-88	-88	27	133	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Anthracene	n/a	=	18.7	µg/L	EPA 625	0.34	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Anthracene	n/a	=	79	%	EPA 625	-88	-88	27	133	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Anthracene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Anthracene	n/a	=	21.6	µg/L	EPA 625	0.34	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Anthracene	n/a	=	86	%	EPA 625	-88	-88	27	133	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Benz(a)anthracene	n/a	=	19.8	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Benz(a)anthracene	n/a	=	79	%	EPA 625	-88	-88	33	143	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Benz(a)anthracene	n/a	=	19.8	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Benz(a)anthracene	n/a	=	79	%	EPA 625	-88	-88	33	143	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Benz(a)anthracene	n/a	=	0.3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Benz(a)anthracene	n/a	=	19.7	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Benz(a)anthracene	n/a	=	83	%	EPA 625	-88	-88	33	143	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Benz(a)anthracene	n/a	=	17.5	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Benz(a)anthracene	n/a	=	73	%	EPA 625	-88	-88	33	143	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Benz(a)anthracene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Benz(a)anthracene	n/a	=	18.6	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Benz(a)anthracene	n/a	=	75	%	EPA 625	-88	-88	33	143	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Benizidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Benizidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Benizidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Benzo(a)pyrene	n/a	=	22.2	µg/L	EPA 625	0.13	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Benzo(a)pyrene	n/a	=	89	%	EPA 625	-88	-88	17	163	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Benzo(a)pyrene	n/a	=	24.6	µg/L	EPA 625	0.13	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Benzo(a)pyrene	n/a	=	99	%	EPA 625	-88	-88	17	163	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Benzo(a)pyrene	n/a	=	10	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Benzo(a)pyrene	n/a	=	11	µg/L	EPA 625	0.13	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Benzo(a)pyrene	n/a	=	46	%	EPA 625	-88	-88	17	163	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Benzo(a)pyrene	n/a	=	8.91	µg/L	EPA 625	0.13	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Benzo(a)pyrene	n/a	=	37	%	EPA 625	-88	-88	17	163	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Benzo(a)pyrene	n/a	=	21	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Organic	Benzo(a)pyrene	n/a	=	2.15	µg/L	EPA 525.2	0.07	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Organic	Benzo(a)pyrene	n/a	=	43	%	EPA 525.2	-88	-88	12	148	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Organic	Benzo(a)pyrene	n/a	=	1.83	µg/L	EPA 525.2	0.07	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Organic	Benzo(a)pyrene	n/a	=	37	%	EPA 525.2	-88	-88	12	148	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Organic	Benzo(a)pyrene	n/a	=	16	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Benzo(a)pyrene	n/a	=	22.2	µg/L	EPA 625	0.13	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Benzo(a)pyrene	n/a	=	89	%	EPA 625	-88	-88	17	163	
2014/15-PRE	Lab	method blank	9/10/2014	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Organic	Benzo(a)pyrene	n/a	=	2.98	µg/L	EPA 525.2	0.07	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Organic	Benzo(a)pyrene	n/a	=	60	%	EPA 525.2	-88	-88	40	147	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Benzo(b)fluoranthene	n/a	=	22.4	µg/L	EPA 625	0.14	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Benzo(b)fluoranthene	n/a	=	90	%	EPA 625	-88	-88	24	159	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Benzo(b)fluoranthene	n/a	=	23.6	µg/L	EPA 625	0.14	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Benzo(b)fluoranthene	n/a	=	94	%	EPA 625	-88	-88	24	159	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Benzo(b)fluoranthene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Benzo(b)fluoranthene	n/a	=	15.5	µg/L	EPA 625	0.14	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Benzo(b)fluoranthene	n/a	=	65	%	EPA 625	-88	-88	24	159	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Benzo(b)fluoranthene	n/a	=	13.6	µg/L	EPA 625	0.14	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Benzo(b)fluoranthene	n/a	=	57	%	EPA 625	-88	-88	24	159	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Benzo(b)fluoranthene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Benzo(b)fluoranthene	n/a	=	22.6	µg/L	EPA 625	0.14	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Benzo(b)fluoranthene	n/a	=	90	%	EPA 625	-88	-88	24	159	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Benzo(g,h,i)perylene	n/a	=	18.9	µg/L	EPA 625	0.1	2			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Benzo(g,h,i)perylene	n/a	=	76	%	EPA 625	-88	-88	0.1	219	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Benzo(g,h,i)perylene	n/a	=	25.3	µg/L	EPA 625	0.1	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Benzo(g,h,i)perylene	n/a	=	101	%	EPA 625	-88	-88	0.1	219	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Benzo(g,h,i)perylene	n/a	=	29	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Benzo(g,h,i)perylene	n/a	=	12.5	µg/L	EPA 625	0.1	2			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Benzo(g,h,i)perylene	n/a	=	52	%	EPA 625	-88	-88	0.1	219	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Benzo(g,h,i)perylene	n/a	=	12.7	µg/L	EPA 625	0.1	2			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Benzo(g,h,i)perylene	n/a	=	53	%	EPA 625	-88	-88	0.1	219	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Benzo(g,h,i)perylene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Benzo(g,h,i)perylene	n/a	=	20.1	µg/L	EPA 625	0.1	2			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Benzo(g,h,i)perylene	n/a	=	80	%	EPA 625	-88	-88	0.1	219	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Benzo(k)fluoranthene	n/a	=	23.5	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Benzo(k)fluoranthene	n/a	=	94	%	EPA 625	-88	-88	11	162	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Benzo(k)fluoranthene	n/a	=	24.8	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Benzo(k)fluoranthene	n/a	=	99	%	EPA 625	-88	-88	11	162	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Benzo(k)fluoranthene	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Benzo(k)fluoranthene	n/a	=	13.9	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Benzo(k)fluoranthene	n/a	=	58	%	EPA 625	-88	-88	11	162	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Benzo(k)fluoranthene	n/a	=	11.6	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Benzo(k)fluoranthene	n/a	=	49	%	EPA 625	-88	-88	11	162	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Benzo(k)fluoranthene	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Benzo(k)fluoranthene	n/a	=	23.9	µg/L	EPA 625	0.22	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Benzo(k)fluoranthene	n/a	=	96	%	EPA 625	-88	-88	11	162	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	21.3	µg/L	EPA 625	0.25	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	85	%	EPA 625	-88	-88	33	184	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.2	µg/L	EPA 625	0.25	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	77	%	EPA 625	-88	-88	33	184	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	11	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	15.7	µg/L	EPA 625	0.25	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	66	%	EPA 625	-88	-88	33	184	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	18.2	µg/L	EPA 625	0.25	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	76	%	EPA 625	-88	-88	33	184	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	19.9	µg/L	EPA 625	0.25	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	79	%	EPA 625	-88	-88	33	184	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	18.6	µg/L	EPA 625	0.27	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	74	%	EPA 625	-88	-88	12	158	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	17.6	µg/L	EPA 625	0.27	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	71	%	EPA 625	-88	-88	12	158	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	5	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	14.3	µg/L	EPA 625	0.27	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	60	%	EPA 625	-88	-88	12	158	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	17	µg/L	EPA 625	0.27	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	72	%	EPA 625	-88	-88	12	158	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	17.8	µg/L	EPA 625	0.27	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	71	%	EPA 625	-88	-88	12	158	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	20	µg/L	EPA 625	0.38	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	80	%	EPA 625	-88	-88	36	166	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.7	µg/L	EPA 625	0.38	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	75	%	EPA 625	-88	-88	36	166	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	15.3	µg/L	EPA 625	0.38	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	64	%	EPA 625	-88	-88	36	166	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	17.8	µg/L	EPA 625	0.38	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	75	%	EPA 625	-88	-88	36	166	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.9	µg/L	EPA 625	0.38	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	75	%	EPA 625	-88	-88	36	166	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.19	µg/L	EPA 525.2	0.1	5			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	84	%	EPA 525.2	-88	-88	84	158	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.03	µg/L	EPA 525.2	0.1	5			GB
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	81	%	EPA 525.2	-88	-88	84	158	GB
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-PRE	Lab	method blank	9/10/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-PRE	Lab	LCS	9/10/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	DNQ	4.62	µg/L	EPA 525.2	0.1	5			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	92	%	EPA 525.2	-88	-88	71	158	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	28.9	µg/L	EPA 625	2.3	5			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	115	%	EPA 625	-88	-88	8	158	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	30.4	µg/L	EPA 625	2.3	5			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	122	%	EPA 625	-88	-88	8	158	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	24.6	µg/L	EPA 625	2.3	5			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	80	%	EPA 625	-88	-88	8	158	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	24.6	µg/L	EPA 625	2.3	5			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	80	%	EPA 625	-88	-88	8	158	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	4.73	µg/L	EPA 525.2	1.1	3			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	95	%	EPA 525.2	-88	-88	74	152	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	3.94	µg/L	EPA 525.2	1.1	3			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	79	%	EPA 525.2	-88	-88	74	152	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	18	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.4	µg/L	EPA 625	2.3	5			HB-LCSR
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	46.8	µg/L	EPA 625	2.3	5			EUM
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	187	%	EPA 625	-88	-88	8	158	EUM
2014/15-PRE	Lab	method blank	9/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-PRE	Lab	LCS	9/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.18	µg/L	EPA 525.2	1.1	3			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	104	%	EPA 525.2	-88	-88	68	154	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Butyl benzyl phthalate	n/a	=	25.7	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Butyl benzyl phthalate	n/a	=	103	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Butyl benzyl phthalate	n/a	=	25.3	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Butyl benzyl phthalate	n/a	=	101	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Butyl benzyl phthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Butyl benzyl phthalate	n/a	=	24.8	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Butyl benzyl phthalate	n/a	=	104	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Butyl benzyl phthalate	n/a	=	23.4	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Butyl benzyl phthalate	n/a	=	98	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Butyl benzyl phthalate	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Butyl benzyl phthalate	n/a	=	24.6	µg/L	EPA 625	0.18	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Butyl benzyl phthalate	n/a	=	98	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Chrysene	n/a	=	21.8	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Chrysene	n/a	=	87	%	EPA 625	-88	-88	17	168	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Chrysene	n/a	=	21.5	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Chrysene	n/a	=	86	%	EPA 625	-88	-88	17	168	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Chrysene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Chrysene	n/a	=	20	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Chrysene	n/a	=	84	%	EPA 625	-88	-88	17	168	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Chrysene	n/a	=	20.3	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Chrysene	n/a	=	85	%	EPA 625	-88	-88	17	168	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Chrysene	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Chrysene	n/a	=	21.8	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Chrysene	n/a	=	87	%	EPA 625	-88	-88	17	168	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Dibenz(a,h)anthracene	n/a	=	19.7	µg/L	EPA 625	0.08	2			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Dibenz(a,h)anthracene	n/a	=	79	%	EPA 625	-88	-88	0.1	227	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Dibenz(a,h)anthracene	n/a	=	24.2	µg/L	EPA 625	0.08	2			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Dibenz(a,h)anthracene	n/a	=	97	%	EPA 625	-88	-88	0.1	227	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Dibenz(a,h)anthracene	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Dibenz(a,h)anthracene	n/a	=	13.4	µg/L	EPA 625	0.08	2			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Dibenz(a,h)anthracene	n/a	=	56	%	EPA 625	-88	-88	0.1	227	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Dibenz(a,h)anthracene	n/a	=	13.2	µg/L	EPA 625	0.08	2			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Dibenz(a,h)anthracene	n/a	=	56	%	EPA 625	-88	-88	0.1	227	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Dibenz(a,h)anthracene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Dibenz(a,h)anthracene	n/a	=	21	µg/L	EPA 625	0.08	2			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Dibenz(a,h)anthracene	n/a	=	84	%	EPA 625	-88	-88	0.1	227	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Diethyl phthalate	n/a	=	23.4	µg/L	EPA 625	0.15	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Diethyl phthalate	n/a	=	94	%	EPA 625	-88	-88	0.1	114	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Diethyl phthalate	n/a	=	22.7	µg/L	EPA 625	0.15	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Diethyl phthalate	n/a	=	91	%	EPA 625	-88	-88	0.1	114	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Diethyl phthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Diethyl phthalate	n/a	=	20.5	µg/L	EPA 625	0.15	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Diethyl phthalate	n/a	=	86	%	EPA 625	-88	-88	0.1	114	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Diethyl phthalate	n/a	=	20.5	µg/L	EPA 625	0.15	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Diethyl phthalate	n/a	=	86	%	EPA 625	-88	-88	0.1	114	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Diethyl phthalate	n/a	=	0.09	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Diethyl phthalate	n/a	=	22.9	µg/L	EPA 625	0.15	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Diethyl phthalate	n/a	=	92	%	EPA 625	-88	-88	0.1	114	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Diethyl phthalate	n/a	=	1.5	µg/L	EPA 625	0.15	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Dimethyl phthalate	n/a	=	25.7	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Dimethyl phthalate	n/a	=	103	%	EPA 625	-88	-88	0.1	112	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Dimethyl phthalate	n/a	=	24	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Dimethyl phthalate	n/a	=	96	%	EPA 625	-88	-88	0.1	112	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Dimethyl phthalate	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Dimethyl phthalate	n/a	=	23.1	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Dimethyl phthalate	n/a	=	97	%	EPA 625	-88	-88	0.1	112	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Dimethyl phthalate	n/a	=	23.9	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Dimethyl phthalate	n/a	=	101	%	EPA 625	-88	-88	0.1	112	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Dimethyl phthalate	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Dimethyl phthalate	n/a	=	24	µg/L	EPA 625	0.18	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Dimethyl phthalate	n/a	=	96	%	EPA 625	-88	-88	0.1	112	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Di-n-butylphthalate	n/a	=	21.8	µg/L	EPA 625	0.24	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Di-n-butylphthalate	n/a	=	85	%	EPA 625	-88	-88	1	118	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Di-n-butylphthalate	n/a	=	21.3	µg/L	EPA 625	0.24	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Di-n-butylphthalate	n/a	=	83	%	EPA 625	-88	-88	1	118	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Di-n-butylphthalate	n/a	=	2	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Di-n-butylphthalate	n/a	=	18	µg/L	EPA 625	0.24	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Di-n-butylphthalate	n/a	=	73	%	EPA 625	-88	-88	1	118	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Di-n-butylphthalate	n/a	=	18.6	µg/L	EPA 625	0.24	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Di-n-butylphthalate	n/a	=	76	%	EPA 625	-88	-88	1	118	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Di-n-butylphthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Di-n-butylphthalate	n/a	DNQ	0.37	µg/L	EPA 625	0.24	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Di-n-butylphthalate	n/a	=	21	µg/L	EPA 625	0.24	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Di-n-butylphthalate	n/a	=	84	%	EPA 625	-88	-88	1	118	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Di-n-butylphthalate	n/a	DNQ	0.36	µg/L	EPA 625	0.24	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Di-n-octylphthalate	n/a	=	26.1	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Di-n-octylphthalate	n/a	=	104	%	EPA 625	-88	-88	4	146	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Di-n-octylphthalate	n/a	=	26.9	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Di-n-octylphthalate	n/a	=	108	%	EPA 625	-88	-88	4	146	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Di-n-octylphthalate	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Di-n-octylphthalate	n/a	=	27	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Di-n-octylphthalate	n/a	=	113	%	EPA 625	-88	-88	4	146	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Di-n-octylphthalate	n/a	=	27.2	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Di-n-octylphthalate	n/a	=	114	%	EPA 625	-88	-88	4	146	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Di-n-octylphthalate	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Di-n-octylphthalate	n/a	=	27.1	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Di-n-octylphthalate	n/a	=	109	%	EPA 625	-88	-88	4	146	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Fluoranthene	n/a	=	21.2	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Fluoranthene	n/a	=	85	%	EPA 625	-88	-88	26	137	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Fluoranthene	n/a	=	20.6	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Fluoranthene	n/a	=	82	%	EPA 625	-88	-88	26	137	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Fluoranthene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Fluoranthene	n/a	=	18	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Fluoranthene	n/a	=	76	%	EPA 625	-88	-88	26	137	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Fluoranthene	n/a	=	17.8	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Fluoranthene	n/a	=	75	%	EPA 625	-88	-88	26	137	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Fluoranthene	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Fluoranthene	n/a	=	20.8	µg/L	EPA 625	0.22	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Fluoranthene	n/a	=	83	%	EPA 625	-88	-88	26	137	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Fluorene	n/a	=	21.5	µg/L	EPA 625	0.35	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Fluorene	n/a	=	86	%	EPA 625	-88	-88	59	121	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Fluorene	n/a	=	20.4	µg/L	EPA 625	0.35	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Fluorene	n/a	=	82	%	EPA 625	-88	-88	59	121	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Fluorene	n/a	=	5	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Fluorene	n/a	=	18.7	µg/L	EPA 625	0.35	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Fluorene	n/a	=	79	%	EPA 625	-88	-88	59	121	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Fluorene	n/a	=	19.5	µg/L	EPA 625	0.35	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Fluorene	n/a	=	82	%	EPA 625	-88	-88	59	121	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Fluorene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Fluorene	n/a	=	20.6	µg/L	EPA 625	0.35	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Fluorene	n/a	=	82	%	EPA 625	-88	-88	59	121	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Hexachlorobenzene	n/a	=	25.5	µg/L	EPA 625	0.49	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Hexachlorobenzene	n/a	=	102	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Hexachlorobenzene	n/a	=	24.7	µg/L	EPA 625	0.49	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Hexachlorobenzene	n/a	=	99	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Hexachlorobenzene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Hexachlorobenzene	n/a	=	21.3	µg/L	EPA 625	0.49	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Hexachlorobenzene	n/a	=	90	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Hexachlorobenzene	n/a	=	21.6	µg/L	EPA 625	0.49	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Hexachlorobenzene	n/a	=	91	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Hexachlorobenzene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Hexachlorobenzene	n/a	=	25	µg/L	EPA 625	0.49	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Hexachlorobenzene	n/a	=	100	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Hexachlorobutadiene	n/a	=	23.3	µg/L	EPA 625	0.47	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Hexachlorobutadiene	n/a	=	93	%	EPA 625	-88	-88	24	116	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Hexachlorobutadiene	n/a	=	21.2	µg/L	EPA 625	0.47	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Hexachlorobutadiene	n/a	=	85	%	EPA 625	-88	-88	24	116	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Hexachlorobutadiene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Hexachlorobutadiene	n/a	=	15.9	µg/L	EPA 625	0.47	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Hexachlorobutadiene	n/a	=	67	%	EPA 625	-88	-88	24	116	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Hexachlorobutadiene	n/a	=	17.9	µg/L	EPA 625	0.47	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Hexachlorobutadiene	n/a	=	75	%	EPA 625	-88	-88	24	116	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Hexachlorobutadiene	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Hexachlorobutadiene	n/a	=	21.9	µg/L	EPA 625	0.47	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Hexachlorobutadiene	n/a	=	88	%	EPA 625	-88	-88	24	116	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Hexachlorocyclopentadiene	n/a	=	17.3	µg/L	EPA 625	1.5	5			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Hexachlorocyclopentadiene	n/a	=	69	%	EPA 625	-88	-88	10	80	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Hexachlorocyclopentadiene	n/a	=	14.4	µg/L	EPA 625	1.5	5			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Hexachlorocyclopentadiene	n/a	=	57	%	EPA 625	-88	-88	10	80	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Hexachlorocyclopentadiene	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Hexachlorocyclopentadiene	n/a	=	16.7	µg/L	EPA 625	1.5	5			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Hexachlorocyclopentadiene	n/a	=	70	%	EPA 625	-88	-88	10	80	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Hexachlorocyclopentadiene	n/a	=	18	µg/L	EPA 625	1.5	5			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Hexachlorocyclopentadiene	n/a	=	75	%	EPA 625	-88	-88	10	80	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Hexachlorocyclopentadiene	n/a	=	7	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Hexachlorocyclopentadiene	n/a	=	15.4	µg/L	EPA 625	1.5	5			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Hexachlorocyclopentadiene	n/a	=	62	%	EPA 625	-88	-88	0.1	81	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Hexachloroethane	n/a	=	20.9	µg/L	EPA 625	0.52	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Hexachloroethane	n/a	=	84	%	EPA 625	-88	-88	40	113	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Hexachloroethane	n/a	=	19.8	µg/L	EPA 625	0.52	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Hexachloroethane	n/a	=	79	%	EPA 625	-88	-88	40	113	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Hexachloroethane	n/a	=	6	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Hexachloroethane	n/a	=	16.6	µg/L	EPA 625	0.52	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Hexachloroethane	n/a	=	70	%	EPA 625	-88	-88	40	113	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Hexachloroethane	n/a	=	18.7	µg/L	EPA 625	0.52	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Hexachloroethane	n/a	=	79	%	EPA 625	-88	-88	40	113	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Hexachloroethane	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Hexachloroethane	n/a	=	19.6	µg/L	EPA 625	0.52	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Hexachloroethane	n/a	=	78	%	EPA 625	-88	-88	40	113	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	19.8	µg/L	EPA 625	0.12	2			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	79	%	EPA 625	-88	-88	0.1	171	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	24.2	µg/L	EPA 625	0.12	2			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	97	%	EPA 625	-88	-88	0.1	171	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	13.6	µg/L	EPA 625	0.12	2			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	57	%	EPA 625	-88	-88	0.1	171	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	13.6	µg/L	EPA 625	0.12	2			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	57	%	EPA 625	-88	-88	0.1	171	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	0.2	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	20.8	µg/L	EPA 625	0.12	2			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	83	%	EPA 625	-88	-88	0.1	171	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Isophorone	n/a	=	19.9	µg/L	EPA 625	0.21	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Isophorone	n/a	=	80	%	EPA 625	-88	-88	21	196	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Isophorone	n/a	=	18.4	µg/L	EPA 625	0.21	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Isophorone	n/a	=	74	%	EPA 625	-88	-88	21	196	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Isophorone	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Isophorone	n/a	=	15	µg/L	EPA 625	0.21	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Isophorone	n/a	=	63	%	EPA 625	-88	-88	21	196	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Isophorone	n/a	=	17.7	µg/L	EPA 625	0.21	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Isophorone	n/a	=	74	%	EPA 625	-88	-88	21	196	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Isophorone	n/a	=	17	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Isophorone	n/a	=	18.7	µg/L	EPA 625	0.21	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Isophorone	n/a	=	75	%	EPA 625	-88	-88	21	196	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Naphthalene	n/a	=	21	µg/L	EPA 625	0.49	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Naphthalene	n/a	=	84	%	EPA 625	-88	-88	21	133	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Naphthalene	n/a	=	19.1	µg/L	EPA 625	0.49	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Naphthalene	n/a	=	76	%	EPA 625	-88	-88	21	133	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Naphthalene	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Naphthalene	n/a	=	16.7	µg/L	EPA 625	0.49	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Naphthalene	n/a	=	70	%	EPA 625	-88	-88	21	133	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Naphthalene	n/a	=	19.3	µg/L	EPA 625	0.49	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Naphthalene	n/a	=	81	%	EPA 625	-88	-88	21	133	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Naphthalene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Naphthalene	n/a	=	19.5	µg/L	EPA 625	0.49	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Naphthalene	n/a	=	78	%	EPA 625	-88	-88	21	133	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Nitrobenzene	n/a	=	21.2	µg/L	EPA 625	0.36	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Nitrobenzene	n/a	=	85	%	EPA 625	-88	-88	35	180	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Nitrobenzene	n/a	=	19.7	µg/L	EPA 625	0.36	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Nitrobenzene	n/a	=	79	%	EPA 625	-88	-88	35	180	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Nitrobenzene	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Nitrobenzene	n/a	=	16	µg/L	EPA 625	0.36	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Nitrobenzene	n/a	=	67	%	EPA 625	-88	-88	35	180	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Nitrobenzene	n/a	=	18.9	µg/L	EPA 625	0.36	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Nitrobenzene	n/a	=	80	%	EPA 625	-88	-88	35	180	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Nitrobenzene	n/a	=	17	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Nitrobenzene	n/a	=	19.4	µg/L	EPA 625	0.36	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Nitrobenzene	n/a	=	77	%	EPA 625	-88	-88	35	180	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-PRE	000NONPJ	srgt matrix spike	9/3/2014	Organic	Nitrobenzene-d5	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/3/2014	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 625	-88	-88	27	111	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/3/2014	Organic	Nitrobenzene-d5	n/a	=	17.8	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/3/2014	Organic	Nitrobenzene-d5	n/a	=	71	%	EPA 625	-88	-88	27	111	
2014/15-PRE	000NONPJ	srgt matrix spike	9/4/2014	Organic	Nitrobenzene-d5	n/a	=	15.3	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/4/2014	Organic	Nitrobenzene-d5	n/a	=	64	%	EPA 625	-88	-88	27	111	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/4/2014	Organic	Nitrobenzene-d5	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/4/2014	Organic	Nitrobenzene-d5	n/a	=	77	%	EPA 625	-88	-88	27	111	
2014/15-PRE	Carboy Blank	srgt equip blank	9/4/2014	Organic	Nitrobenzene-d5	n/a	=	21.2	µg/L	EPA 625	-88	-88			
2014/15-PRE	Carboy Blank	srgt equip blank, rec	9/4/2014	Organic	Nitrobenzene-d5	n/a	=	85	%	EPA 625	-88	-88	27	111	
2014/15-PRE	Lab	srgt method blank	9/3/2014	Organic	Nitrobenzene-d5	n/a	=	18.3	µg/L	EPA 625	-88	-88			
2014/15-PRE	Lab	srgt method blank, rec	9/3/2014	Organic	Nitrobenzene-d5	n/a	=	73	%	EPA 625	-88	-88	27	111	
2014/15-PRE	Lab	srgt LCS	9/3/2014	Organic	Nitrobenzene-d5	n/a	=	18.4	µg/L	EPA 625	-88	-88			
2014/15-PRE	Lab	srgt LCS, rec	9/3/2014	Organic	Nitrobenzene-d5	n/a	=	74	%	EPA 625	-88	-88	27	111	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Tubing Blank	srgt equip blank	9/4/2014	Organic	Nitrobenzene-d5	n/a	=	18.1	µg/L	EPA 625	-88	-88			
2014/15-PRE	Tubing Blank	srgt equip blank, rec	9/4/2014	Organic	Nitrobenzene-d5	n/a	=	72	%	EPA 625	-88	-88	27	111	
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	N-Nitrosodimethylamine	n/a	=	12.3	µg/L	EPA 625	0.14	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	N-Nitrosodimethylamine	n/a	=	49	%	EPA 625	-88	-88	15	57	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	N-Nitrosodimethylamine	n/a	=	12.7	µg/L	EPA 625	0.14	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	N-Nitrosodimethylamine	n/a	=	51	%	EPA 625	-88	-88	15	57	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	N-Nitrosodimethylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	N-Nitrosodimethylamine	n/a	=	10.4	µg/L	EPA 625	0.14	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	N-Nitrosodimethylamine	n/a	=	44	%	EPA 625	-88	-88	15	57	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	N-Nitrosodimethylamine	n/a	=	11.4	µg/L	EPA 625	0.14	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	N-Nitrosodimethylamine	n/a	=	48	%	EPA 625	-88	-88	15	57	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	N-Nitrosodimethylamine	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	N-Nitrosodimethylamine	n/a	=	11.5	µg/L	EPA 625	0.14	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	N-Nitrosodimethylamine	n/a	=	46	%	EPA 625	-88	-88	15	59	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	21.3	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	85	%	EPA 625	-88	-88	0.1	230	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	19.8	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	79	%	EPA 625	-88	-88	0.1	230	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	7	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	16.4	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	69	%	EPA 625	-88	-88	0.1	230	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	19.3	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	81	%	EPA 625	-88	-88	0.1	230	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	17	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	19.6	µg/L	EPA 625	0.26	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	79	%	EPA 625	-88	-88	0.1	230	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	N-Nitrosodiphenylamine	n/a	=	19.1	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	N-Nitrosodiphenylamine	n/a	=	76	%	EPA 625	-88	-88	49	82	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	N-Nitrosodiphenylamine	n/a	=	18.5	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	N-Nitrosodiphenylamine	n/a	=	74	%	EPA 625	-88	-88	49	82	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	N-Nitrosodiphenylamine	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	N-Nitrosodiphenylamine	n/a	=	16.7	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	N-Nitrosodiphenylamine	n/a	=	70	%	EPA 625	-88	-88	49	82	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	N-Nitrosodiphenylamine	n/a	=	16.9	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	N-Nitrosodiphenylamine	n/a	=	71	%	EPA 625	-88	-88	49	82	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	N-Nitrosodiphenylamine	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	N-Nitrosodiphenylamine	n/a	=	18.9	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	N-Nitrosodiphenylamine	n/a	=	76	%	EPA 625	-88	-88	42	90	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	srgt matrix spike	9/10/2014	Organic	Perylene-d12	n/a	=	3.79	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/10/2014	Organic	Perylene-d12	n/a	=	76	%	EPA 525.2	-88	-88	30	118	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/10/2014	Organic	Perylene-d12	n/a	=	3.32	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/10/2014	Organic	Perylene-d12	n/a	=	66	%	EPA 525.2	-88	-88	30	118	
2014/15-PRE	Carboy Blank	srgt equip blank	9/10/2014	Organic	Perylene-d12	n/a	=	3.37	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	Carboy Blank	srgt equip blank, rec	9/10/2014	Organic	Perylene-d12	n/a	=	67	%	EPA 525.2	-88	-88	30	118	
2014/15-PRE	Lab	srgt method blank	9/10/2014	Organic	Perylene-d12	n/a	=	4.52	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	Lab	srgt method blank, rec	9/10/2014	Organic	Perylene-d12	n/a	=	90	%	EPA 525.2	-88	-88	30	118	
2014/15-PRE	Lab	srgt LCS	9/10/2014	Organic	Perylene-d12	n/a	=	4.52	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	Lab	srgt LCS, rec	9/10/2014	Organic	Perylene-d12	n/a	=	90	%	EPA 525.2	-88	-88	30	118	
2014/15-PRE	Tubing Blank	srgt equip blank	9/10/2014	Organic	Perylene-d12	n/a	=	3.5	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	Tubing Blank	srgt equip blank, rec	9/10/2014	Organic	Perylene-d12	n/a	=	66	%	EPA 525.2	-88	-88	30	118	
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Phenanthrene	n/a	=	22.5	µg/L	EPA 625	0.32	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Phenanthrene	n/a	=	90	%	EPA 625	-88	-88	54	120	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Phenanthrene	n/a	=	21.6	µg/L	EPA 625	0.32	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Phenanthrene	n/a	=	86	%	EPA 625	-88	-88	54	120	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Phenanthrene	n/a	=	4	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Phenanthrene	n/a	=	20.6	µg/L	EPA 625	0.32	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Phenanthrene	n/a	=	86	%	EPA 625	-88	-88	54	120	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Phenanthrene	n/a	=	20.4	µg/L	EPA 625	0.32	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Phenanthrene	n/a	=	86	%	EPA 625	-88	-88	54	120	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Phenanthrene	n/a	=	0.6	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Phenanthrene	n/a	=	21.9	µg/L	EPA 625	0.32	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Phenanthrene	n/a	=	88	%	EPA 625	-88	-88	54	120	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Phenol	n/a	=	7.11	µg/L	EPA 625	0.16	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Phenol	n/a	=	28	%	EPA 625	-88	-88	5	112	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Phenol	n/a	=	7.05	µg/L	EPA 625	0.16	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Phenol	n/a	=	28	%	EPA 625	-88	-88	5	112	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Phenol	n/a	=	0.8	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Phenol	n/a	=	5.12	µg/L	EPA 625	0.16	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Phenol	n/a	=	22	%	EPA 625	-88	-88	5	112	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Phenol	n/a	=	5.98	µg/L	EPA 625	0.16	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Phenol	n/a	=	25	%	EPA 625	-88	-88	5	112	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Phenol	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Phenol	n/a	=	6.71	µg/L	EPA 625	0.16	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Phenol	n/a	=	27	%	EPA 625	-88	-88	5	112	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-PRE	000NONPJ	srgt matrix spike	9/3/2014	Organic	Phenol-d5	n/a	=	13.8	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/3/2014	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/3/2014	Organic	Phenol-d5	n/a	=	13.5	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/3/2014	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2014/15-PRE	000NONPJ	srgt matrix spike	9/4/2014	Organic	Phenol-d5	n/a	=	9.96	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/4/2014	Organic	Phenol-d5	n/a	=	21	%	EPA 625	-88	-88	0.1	53	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/4/2014	Organic	Phenol-d5	n/a	=	11.9	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/4/2014	Organic	Phenol-d5	n/a	=	25	%	EPA 625	-88	-88	0.1	53	
2014/15-PRE	Carboy Blank	srgt equip blank	9/4/2014	Organic	Phenol-d5	n/a	=	14.7	µg/L	EPA 625	-88	-88			
2014/15-PRE	Carboy Blank	srgt equip blank, rec	9/4/2014	Organic	Phenol-d5	n/a	=	29	%	EPA 625	-88	-88	0.1	53	
2014/15-PRE	Lab	srgt method blank	9/3/2014	Organic	Phenol-d5	n/a	=	14.8	µg/L	EPA 625	-88	-88			
2014/15-PRE	Lab	srgt method blank, rec	9/3/2014	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2014/15-PRE	Lab	srgt LCS	9/3/2014	Organic	Phenol-d5	n/a	=	13.4	µg/L	EPA 625	-88	-88			
2014/15-PRE	Lab	srgt LCS, rec	9/3/2014	Organic	Phenol-d5	n/a	=	27	%	EPA 625	-88	-88	0.1	53	
2014/15-PRE	Tubing Blank	srgt equip blank	9/4/2014	Organic	Phenol-d5	n/a	=	14.2	µg/L	EPA 625	-88	-88			
2014/15-PRE	Tubing Blank	srgt equip blank, rec	9/4/2014	Organic	Phenol-d5	n/a	=	28	%	EPA 625	-88	-88	0.1	53	
2014/15-PRE	000NONPJ	srgt matrix spike	9/3/2014	Organic	p-Terphenyl-d14	n/a	=	21	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/3/2014	Organic	p-Terphenyl-d14	n/a	=	84	%	EPA 625	-88	-88	28	113	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/3/2014	Organic	p-Terphenyl-d14	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/3/2014	Organic	p-Terphenyl-d14	n/a	=	83	%	EPA 625	-88	-88	28	113	
2014/15-PRE	000NONPJ	srgt matrix spike	9/4/2014	Organic	p-Terphenyl-d14	n/a	=	18.8	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/4/2014	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625	-88	-88	28	113	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/4/2014	Organic	p-Terphenyl-d14	n/a	=	18.7	µg/L	EPA 625	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/4/2014	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625	-88	-88	28	113	
2014/15-PRE	Carboy Blank	srgt equip blank	9/4/2014	Organic	p-Terphenyl-d14	n/a	=	19.8	µg/L	EPA 625	-88	-88			
2014/15-PRE	Carboy Blank	srgt equip blank, rec	9/4/2014	Organic	p-Terphenyl-d14	n/a	=	79	%	EPA 625	-88	-88	28	113	
2014/15-PRE	Lab	srgt method blank	9/3/2014	Organic	p-Terphenyl-d14	n/a	=	19.2	µg/L	EPA 625	-88	-88			
2014/15-PRE	Lab	srgt method blank, rec	9/3/2014	Organic	p-Terphenyl-d14	n/a	=	77	%	EPA 625	-88	-88	28	113	
2014/15-PRE	Lab	srgt LCS	9/3/2014	Organic	p-Terphenyl-d14	n/a	=	20.4	µg/L	EPA 625	-88	-88			
2014/15-PRE	Lab	srgt LCS, rec	9/3/2014	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 625	-88	-88	28	113	
2014/15-PRE	Tubing Blank	srgt equip blank	9/4/2014	Organic	p-Terphenyl-d14	n/a	=	20.2	µg/L	EPA 625	-88	-88			
2014/15-PRE	Tubing Blank	srgt equip blank, rec	9/4/2014	Organic	p-Terphenyl-d14	n/a	=	81	%	EPA 625	-88	-88	28	113	
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Organic	Pyrene	n/a	=	21.4	µg/L	EPA 625	0.25	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Organic	Pyrene	n/a	=	86	%	EPA 625	-88	-88	52	115	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Organic	Pyrene	n/a	=	20.8	µg/L	EPA 625	0.25	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Organic	Pyrene	n/a	=	83	%	EPA 625	-88	-88	52	115	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Organic	Pyrene	n/a	=	3	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Organic	Pyrene	n/a	=	18.8	µg/L	EPA 625	0.25	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Organic	Pyrene	n/a	=	79	%	EPA 625	-88	-88	52	115	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Organic	Pyrene	n/a	=	18.6	µg/L	EPA 625	0.25	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Organic	Pyrene	n/a	=	78	%	EPA 625	-88	-88	52	115	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Organic	Pyrene	n/a	=	1	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE	Lab	method blank	9/3/2014	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE	Lab	LCS	9/3/2014	Organic	Pyrene	n/a	=	20.6	µg/L	EPA 625	0.25	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Organic	Pyrene	n/a	=	83	%	EPA 625	-88	-88	52	115	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE	000NONPJ	srgt matrix spike	9/10/2014	Organic	Triphenylphosphate	n/a	=	4.89	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike, rec	9/10/2014	Organic	Triphenylphosphate	n/a	=	98	%	EPA 525.2	-88	-88	70	149	
2014/15-PRE	000NONPJ	srgt matrix spike dup	9/10/2014	Organic	Triphenylphosphate	n/a	=	5.04	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	000NONPJ	srgt matrix spike dup, rec	9/10/2014	Organic	Triphenylphosphate	n/a	=	101	%	EPA 525.2	-88	-88	70	149	
2014/15-PRE	Carboy Blank	srgt equip blank	9/10/2014	Organic	Triphenylphosphate	n/a	=	4.33	µg/L	EPA 525.2	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Carboy Blank	srgt equip blank, rec	9/10/2014	Organic	Triphenylphosphate	n/a	=	87	%	EPA 525.2	-88	-88	70	149	
2014/15-PRE	Lab	srgt method blank	9/10/2014	Organic	Triphenylphosphate	n/a	=	4.87	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	Lab	srgt method blank, rec	9/10/2014	Organic	Triphenylphosphate	n/a	=	97	%	EPA 525.2	-88	-88	70	149	
2014/15-PRE	Lab	srgt LCS	9/10/2014	Organic	Triphenylphosphate	n/a	=	5.21	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	Lab	srgt LCS, rec	9/10/2014	Organic	Triphenylphosphate	n/a	=	104	%	EPA 525.2	-88	-88	70	149	
2014/15-PRE	Tubing Blank	srgt equip blank	9/10/2014	Organic	Triphenylphosphate	n/a	=	4.68	µg/L	EPA 525.2	-88	-88			
2014/15-PRE	Tubing Blank	srgt equip blank, rec	9/10/2014	Organic	Triphenylphosphate	n/a	=	89	%	EPA 525.2	-88	-88	70	149	
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Alachlor	n/a	=	6.83	µg/L	EPA 525.2	0.022	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Alachlor	n/a	=	137	%	EPA 525.2	-88	-88	44	149	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Alachlor	n/a	=	6.36	µg/L	EPA 525.2	0.022	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Alachlor	n/a	=	127	%	EPA 525.2	-88	-88	44	149	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Alachlor	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Alachlor	n/a	=	5.09	µg/L	EPA 525.2	0.022	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Alachlor	n/a	=	102	%	EPA 525.2	-88	-88	55	124	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Atrazine	n/a	=	4.96	µg/L	EPA 525.2	0.034	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Atrazine	n/a	=	99	%	EPA 525.2	-88	-88	67	145	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Atrazine	n/a	=	5.31	µg/L	EPA 525.2	0.034	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Atrazine	n/a	=	106	%	EPA 525.2	-88	-88	67	145	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Atrazine	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Atrazine	n/a	=	4.54	µg/L	EPA 525.2	0.034	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Atrazine	n/a	=	91	%	EPA 525.2	-88	-88	67	131	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Bromacil	n/a	=	5.56	µg/L	EPA 525.2	0.038	0.5			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Bromacil	n/a	=	111	%	EPA 525.2	-88	-88	60	160	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Bromacil	n/a	=	5.51	µg/L	EPA 525.2	0.038	0.5			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Bromacil	n/a	=	110	%	EPA 525.2	-88	-88	60	160	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Bromacil	n/a	=	0.9	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Bromacil	n/a	=	4.47	µg/L	EPA 525.2	0.038	0.5			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Bromacil	n/a	=	89	%	EPA 525.2	-88	-88	62	139	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Butachlor	n/a	=	6.59	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Butachlor	n/a	=	132	%	EPA 525.2	-88	-88	53	146	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Butachlor	n/a	=	6.18	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Butachlor	n/a	=	124	%	EPA 525.2	-88	-88	53	146	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Butachlor	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Butachlor	n/a	=	5.22	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Butachlor	n/a	=	104	%	EPA 525.2	-88	-88	61	127	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Captan	n/a	=	5.43	µg/L	EPA 525.2	0.86	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Captan	n/a	=	109	%	EPA 525.2	-88	-88	1	183	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Captan	n/a	=	5.29	µg/L	EPA 525.2	0.86	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Captan	n/a	=	106	%	EPA 525.2	-88	-88	1	183	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Captan	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Captan	n/a	=	5.03	µg/L	EPA 525.2	0.86	1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Captan	n/a	=	101	%	EPA 525.2	-88	-88	14	159	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Chloroprotham	n/a	=	5.47	µg/L	EPA 525.2	0.01	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Chloroprotham	n/a	=	109	%	EPA 525.2	-88	-88	80	156	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Chloroprotham	n/a	=	5.89	µg/L	EPA 525.2	0.01	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Chloroprotham	n/a	=	118	%	EPA 525.2	-88	-88	80	156	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Chloroprotham	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Chloroprotham	n/a	=	5.1	µg/L	EPA 525.2	0.01	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Chloroprotham	n/a	=	102	%	EPA 525.2	-88	-88	77	143	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Cyanazine	n/a	=	5.21	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Cyanazine	n/a	=	104	%	EPA 525.2	-88	-88	32	142	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Cyanazine	n/a	=	4.93	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Cyanazine	n/a	=	99	%	EPA 525.2	-88	-88	32	142	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Cyanazine	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Cyanazine	n/a	=	4.86	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Cyanazine	n/a	=	97	%	EPA 525.2	-88	-88	61	129	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Diazinon	n/a	=	6.29	µg/L	EPA 525.2	0.096	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Diazinon	n/a	=	126	%	EPA 525.2	-88	-88	21	153	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Diazinon	n/a	=	5.17	µg/L	EPA 525.2	0.096	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Diazinon	n/a	=	103	%	EPA 525.2	-88	-88	21	153	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Diazinon	n/a	=	20	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Diazinon	n/a	=	4.66	µg/L	EPA 525.2	0.096	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Diazinon	n/a	=	93	%	EPA 525.2	-88	-88	30	120	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Dimethoate	n/a	=	4.46	µg/L	EPA 525.2	0.024	0.2			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Dimethoate	n/a	=	89	%	EPA 525.2	-88	-88	40	132	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Dimethoate	n/a	=	4.52	µg/L	EPA 525.2	0.024	0.2			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Dimethoate	n/a	=	90	%	EPA 525.2	-88	-88	40	132	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Dimethoate	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Dimethoate	n/a	=	3.29	µg/L	EPA 525.2	0.024	0.2			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Dimethoate	n/a	=	66	%	EPA 525.2	-88	-88	38	102	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Diphenamid	n/a	=	5.15	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Diphenamid	n/a	=	103	%	EPA 525.2	-88	-88	80	130	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Diphenamid	n/a	=	4.89	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Diphenamid	n/a	=	98	%	EPA 525.2	-88	-88	80	130	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Diphenamid	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Diphenamid	n/a	=	4.83	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Diphenamid	n/a	=	97	%	EPA 525.2	-88	-88	77	124	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Disulfoton	n/a	=	5.97	µg/L	EPA 525.2	0.031	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Disulfoton	n/a	=	119	%	EPA 525.2	-88	-88	24	164	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Disulfoton	n/a	=	4.57	µg/L	EPA 525.2	0.031	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Disulfoton	n/a	=	91	%	EPA 525.2	-88	-88	24	164	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Disulfoton	n/a	=	27	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Disulfoton	n/a	=	5	µg/L	EPA 525.2	0.031	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Disulfoton	n/a	=	100	%	EPA 525.2	-88	-88	54	156	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	EPTC	n/a	=	5.28	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	EPTC	n/a	=	106	%	EPA 525.2	-88	-88	75	126	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	EPTC	n/a	=	5.61	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	EPTC	n/a	=	112	%	EPA 525.2	-88	-88	75	126	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	EPTC	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	EPTC	n/a	=	4.96	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	EPTC	n/a	=	99	%	EPA 525.2	-88	-88	82	116	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Metolachlor	n/a	=	6.05	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Metolachlor	n/a	=	121	%	EPA 525.2	-88	-88	60	137	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Metolachlor	n/a	=	5.75	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Metolachlor	n/a	=	115	%	EPA 525.2	-88	-88	60	137	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Metolachlor	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Metolachlor	n/a	=	4.74	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Metolachlor	n/a	=	95	%	EPA 525.2	-88	-88	61	123	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Metribuzin	n/a	=	6.34	µg/L	EPA 525.2	0.015	0.1			GB
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Metribuzin	n/a	=	127	%	EPA 525.2	-88	-88	47	125	GB
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Metribuzin	n/a	=	5.97	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Metribuzin	n/a	=	119	%	EPA 525.2	-88	-88	47	125	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Metribuzin	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Metribuzin	n/a	=	4.62	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Metribuzin	n/a	=	92	%	EPA 525.2	-88	-88	50	121	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Molinate	n/a	=	5.31	µg/L	EPA 525.2	0.039	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Molinate	n/a	=	106	%	EPA 525.2	-88	-88	81	125	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Molinate	n/a	=	5.63	µg/L	EPA 525.2	0.039	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Molinate	n/a	=	113	%	EPA 525.2	-88	-88	81	125	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Molinate	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Molinate	n/a	=	4.97	µg/L	EPA 525.2	0.039	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Molinate	n/a	=	99	%	EPA 525.2	-88	-88	82	117	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/3/2014	Pesticide	Pentachlorophenol	n/a	=	23.1	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/3/2014	Pesticide	Pentachlorophenol	n/a	=	92	%	EPA 625	-88	-88	14	176	
2014/15-PRE	000NONPJ	matrix spike dup	9/3/2014	Pesticide	Pentachlorophenol	n/a	=	21.2	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/3/2014	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 625	-88	-88	14	176	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/3/2014	Pesticide	Pentachlorophenol	n/a	=	9	%	EPA 625	-88	-88	0	30	
2014/15-PRE	000NONPJ	matrix spike	9/4/2014	Pesticide	Pentachlorophenol	n/a	=	20.3	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/4/2014	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 625	-88	-88	14	176	
2014/15-PRE	000NONPJ	matrix spike dup	9/4/2014	Pesticide	Pentachlorophenol	n/a	=	20.3	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/4/2014	Pesticide	Pentachlorophenol	n/a	=	85	%	EPA 625	-88	-88	14	176	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/4/2014	Pesticide	Pentachlorophenol	n/a	=	0.1	%	EPA 625	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/4/2014	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	method blank	9/3/2014	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	LCS	9/3/2014	Pesticide	Pentachlorophenol	n/a	=	21.6	µg/L	EPA 625	0.19	1			
2014/15-PRE	Lab	LCS, rec	9/3/2014	Pesticide	Pentachlorophenol	n/a	=	87	%	EPA 625	-88	-88	14	176	
2014/15-PRE	Tubing Blank	equip blank	9/4/2014	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Prometon	n/a	=	3.69	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Prometon	n/a	=	74	%	EPA 525.2	-88	-88	28	112	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Prometon	n/a	=	3.32	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Prometon	n/a	=	66	%	EPA 525.2	-88	-88	28	112	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Prometon	n/a	=	11	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Prometon	n/a	=	2.31	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Prometon	n/a	=	46	%	EPA 525.2	-88	-88	17	101	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Prometryn	n/a	=	5.66	µg/L	EPA 525.2	0.036	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Prometryn	n/a	=	113	%	EPA 525.2	-88	-88	61	127	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Prometryn	n/a	=	5.55	µg/L	EPA 525.2	0.036	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Prometryn	n/a	=	111	%	EPA 525.2	-88	-88	61	127	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Prometryn	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Prometryn	n/a	=	4.52	µg/L	EPA 525.2	0.036	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Prometryn	n/a	=	90	%	EPA 525.2	-88	-88	57	122	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Simazine	n/a	=	6.32	µg/L	EPA 525.2	0.015	0.1			GB
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Simazine	n/a	=	126	%	EPA 525.2	-88	-88	55	113	GB
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Simazine	n/a	=	5.88	µg/L	EPA 525.2	0.015	0.1			GB
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Simazine	n/a	=	118	%	EPA 525.2	-88	-88	55	113	GB
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Simazine	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Simazine	n/a	=	4.95	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Simazine	n/a	=	99	%	EPA 525.2	-88	-88	53	116	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Terbacil	n/a	=	4.98	µg/L	EPA 525.2	0.55	2			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Terbacil	n/a	=	100	%	EPA 525.2	-88	-88	72	155	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Terbacil	n/a	=	4.75	µg/L	EPA 525.2	0.55	2			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Terbacil	n/a	=	95	%	EPA 525.2	-88	-88	72	155	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Terbacil	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Terbacil	n/a	=	4.7	µg/L	EPA 525.2	0.55	2			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Terbacil	n/a	=	94	%	EPA 525.2	-88	-88	70	135	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Thiobencarb	n/a	=	6.4	µg/L	EPA 525.2	0.025	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Thiobencarb	n/a	=	128	%	EPA 525.2	-88	-88	45	145	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Thiobencarb	n/a	=	5.9	µg/L	EPA 525.2	0.025	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Thiobencarb	n/a	=	118	%	EPA 525.2	-88	-88	45	145	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Thiobencarb	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Thiobencarb	n/a	=	4.99	µg/L	EPA 525.2	0.025	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Thiobencarb	n/a	=	100	%	EPA 525.2	-88	-88	56	125	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2014/15-PRE	000NONPJ	matrix spike	9/10/2014	Pesticide	Trithion	n/a	=	5.8	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE	000NONPJ	matrix spike, rec	9/10/2014	Pesticide	Trithion	n/a	=	116	%	EPA 525.2	-88	-88	61	139	
2014/15-PRE	000NONPJ	matrix spike dup	9/10/2014	Pesticide	Trithion	n/a	=	5.48	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE	000NONPJ	matrix spike dup, rec	9/10/2014	Pesticide	Trithion	n/a	=	110	%	EPA 525.2	-88	-88	61	139	
2014/15-PRE	000NONPJ	matrix spike, RPD	9/10/2014	Pesticide	Trithion	n/a	=	6	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE	Carboy Blank	equip blank	9/10/2014	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE	Lab	method blank	9/10/2014	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE	Lab	LCS	9/10/2014	Pesticide	Trithion	n/a	=	4.91	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE	Lab	LCS, rec	9/10/2014	Pesticide	Trithion	n/a	=	98	%	EPA 525.2	-88	-88	60	124	
2014/15-PRE	Tubing Blank	equip blank	9/10/2014	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE2	Carboy Blank	equip blank	10/28/2014	Metal	Copper	Total	DNQ	0.1	µg/L	EPA 200.8	0.036	0.5			
2014/15-PRE2	Carboy Blank	matrix spike	10/28/2014	Metal	Copper	Total	=	56.7	µg/L	EPA 200.8	0.036	0.5			
2014/15-PRE2	Carboy Blank	matrix spike, rec	10/28/2014	Metal	Copper	Total	=	113	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Carboy Blank	matrix spike dup	10/28/2014	Metal	Copper	Total	=	58.4	µg/L	EPA 200.8	0.036	0.5			
2014/15-PRE2	Carboy Blank	matrix spike dup, rec	10/28/2014	Metal	Copper	Total	=	116	%	EPA 200.8	-88	-88	70	130	
2014/15-PRE2	Carboy Blank	matrix spike, RPD	10/28/2014	Metal	Copper	Total	=	3	%	EPA 200.8	-88	-88	0	30	
2014/15-PRE2	Lab	method blank	10/28/2014	Metal	Copper	Total	<	0.036	µg/L	EPA 200.8	0.036	0.5			
2014/15-PRE2	Lab	LCS	10/28/2014	Metal	Copper	Total	=	56.4	µg/L	EPA 200.8	0.036	0.5			
2014/15-PRE2	Lab	LCS, rec	10/28/2014	Metal	Copper	Total	=	113	%	EPA 200.8	-88	-88	85	115	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	15.8	µg/L	EPA 625	0.55	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	63	%	EPA 625	-88	-88	44	142	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	19.9	µg/L	EPA 625	0.55	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	80	%	EPA 625	-88	-88	44	142	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	1,2,4-Trichlorobenzene	n/a	=	23	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	1,2-Dichlorobenzene	n/a	=	15.5	µg/L	EPA 625	0.57	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	1,2-Dichlorobenzene	n/a	=	62	%	EPA 625	-88	-88	32	129	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	1,2-Dichlorobenzene	n/a	=	18.8	µg/L	EPA 625	0.57	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	1,2-Dichlorobenzene	n/a	=	75	%	EPA 625	-88	-88	32	129	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	1,2-Dichlorobenzene	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	1,3-Dichlorobenzene	n/a	=	14.1	µg/L	EPA 625	0.53	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	1,3-Dichlorobenzene	n/a	=	56	%	EPA 625	-88	-88	0.1	172	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	1,3-Dichlorobenzene	n/a	=	17.3	µg/L	EPA 625	0.53	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	1,3-Dichlorobenzene	n/a	=	69	%	EPA 625	-88	-88	0.1	172	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	1,3-Dichlorobenzene	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	srgt equip blank	10/21/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.22	µg/L	EPA 525.2	-88	-88			
2014/15-PRE2	Carboy Blank	srgt equip blank, rec	10/21/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	104	%	EPA 525.2	-88	-88	73	138	
2014/15-PRE2	Lab	srgt method blank	10/21/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.16	µg/L	EPA 525.2	-88	-88			
2014/15-PRE2	Lab	srgt method blank, rec	10/21/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	103	%	EPA 525.2	-88	-88	73	138	
2014/15-PRE2	Lab	srgt LCS	10/21/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5.11	µg/L	EPA 525.2	-88	-88			
2014/15-PRE2	Lab	srgt LCS, rec	10/21/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	102	%	EPA 525.2	-88	-88	73	138	
2014/15-PRE2	Lab	srgt LCS dup	10/21/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	5	µg/L	EPA 525.2	-88	-88			
2014/15-PRE2	Lab	srgt LCS dup, rec	10/21/2014	Organic	1,3-Dimethyl-2-nitrobenzene	n/a	=	100	%	EPA 525.2	-88	-88	73	138	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	1,4-Dichlorobenzene	n/a	=	15.9	µg/L	EPA 625	0.55	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	1,4-Dichlorobenzene	n/a	=	64	%	EPA 625	-88	-88	20	124	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	1,4-Dichlorobenzene	n/a	=	19.1	µg/L	EPA 625	0.55	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	1,4-Dichlorobenzene	n/a	=	77	%	EPA 625	-88	-88	20	124	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	1,4-Dichlorobenzene	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	srgt equip blank	10/23/2014	Organic	2,4,6-Tribromophenol	n/a	=	41.8	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Carboy Blank	srgt equip blank, rec	10/23/2014	Organic	2,4,6-Tribromophenol	n/a	=	88	%	EPA 625	-88	-88	25	102	
2014/15-PRE2	Lab	srgt method blank	10/23/2014	Organic	2,4,6-Tribromophenol	n/a	=	46.2	µg/L	EPA 625	-88	-88			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Lab	srgt method blank, rec	10/23/2014	Organic	2,4,6-Tribromophenol	n/a	=	92	%	EPA 625	-88	-88	25	102	
2014/15-PRE2	Lab	srgt LCS	10/23/2014	Organic	2,4,6-Tribromophenol	n/a	=	38.5	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt LCS, rec	10/23/2014	Organic	2,4,6-Tribromophenol	n/a	=	77	%	EPA 625	-88	-88	25	102	
2014/15-PRE2	Lab	srgt LCS dup	10/23/2014	Organic	2,4,6-Tribromophenol	n/a	=	43.7	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt LCS dup, rec	10/23/2014	Organic	2,4,6-Tribromophenol	n/a	=	87	%	EPA 625	-88	-88	25	102	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	2,4,6-Trichlorophenol	n/a	=	18.5	µg/L	EPA 625	0.22	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	2,4,6-Trichlorophenol	n/a	=	74	%	EPA 625	-88	-88	37	144	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	2,4,6-Trichlorophenol	n/a	=	22	µg/L	EPA 625	0.22	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	2,4,6-Trichlorophenol	n/a	=	88	%	EPA 625	-88	-88	37	144	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	2,4,6-Trichlorophenol	n/a	=	17	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	2,4-Dichlorophenol	n/a	=	17	µg/L	EPA 625	0.26	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	2,4-Dichlorophenol	n/a	=	68	%	EPA 625	-88	-88	39	135	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	2,4-Dichlorophenol	n/a	=	22.4	µg/L	EPA 625	0.26	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	2,4-Dichlorophenol	n/a	=	89	%	EPA 625	-88	-88	39	135	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	2,4-Dichlorophenol	n/a	=	27	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	2,4-Dimethylphenol	n/a	=	13.1	µg/L	EPA 625	0.3	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	2,4-Dimethylphenol	n/a	=	52	%	EPA 625	-88	-88	32	119	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	2,4-Dimethylphenol	n/a	=	15	µg/L	EPA 625	0.3	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	2,4-Dimethylphenol	n/a	=	60	%	EPA 625	-88	-88	32	119	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	2,4-Dimethylphenol	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	2,4-Dinitrophenol	n/a	=	17.1	µg/L	EPA 625	1.6	10			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	2,4-Dinitrophenol	n/a	=	68	%	EPA 625	-88	-88	0.1	191	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	2,4-Dinitrophenol	n/a	=	20.4	µg/L	EPA 625	1.6	10			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	2,4-Dinitrophenol	n/a	=	82	%	EPA 625	-88	-88	0.1	191	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	2,4-Dinitrophenol	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	2,4-Dinitrotoluene	n/a	=	19.4	µg/L	EPA 625	0.18	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	2,4-Dinitrotoluene	n/a	=	78	%	EPA 625	-88	-88	39	139	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	2,4-Dinitrotoluene	n/a	=	22.6	µg/L	EPA 625	0.18	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	2,4-Dinitrotoluene	n/a	=	90	%	EPA 625	-88	-88	39	139	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	2,4-Dinitrotoluene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	2,6-Dinitrotoluene	n/a	=	18.2	µg/L	EPA 625	0.27	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	2,6-Dinitrotoluene	n/a	=	73	%	EPA 625	-88	-88	50	158	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	2,6-Dinitrotoluene	n/a	=	22.7	µg/L	EPA 625	0.27	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	2,6-Dinitrotoluene	n/a	=	91	%	EPA 625	-88	-88	50	158	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	2,6-Dinitrotoluene	n/a	=	22	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	2-Chloronaphthalene	n/a	=	17.6	µg/L	EPA 625	0.45	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	2-Chloronaphthalene	n/a	=	71	%	EPA 625	-88	-88	60	118	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	2-Chloronaphthalene	n/a	=	22.1	µg/L	EPA 625	0.45	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	2-Chloronaphthalene	n/a	=	88	%	EPA 625	-88	-88	60	118	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	2-Chloronaphthalene	n/a	=	22	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	2-Chlorophenol	n/a	=	14.7	µg/L	EPA 625	0.28	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	2-Chlorophenol	n/a	=	59	%	EPA 625	-88	-88	23	134	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	2-Chlorophenol	n/a	=	18.3	µg/L	EPA 625	0.28	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	2-Chlorophenol	n/a	=	73	%	EPA 625	-88	-88	23	134	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	2-Chlorophenol	n/a	=	22	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	srgt equip blank	10/23/2014	Organic	2-Fluorobiphenyl	n/a	=	22	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Carboy Blank	srgt equip blank, rec	10/23/2014	Organic	2-Fluorobiphenyl	n/a	=	92	%	EPA 625	-88	-88	22	107	
2014/15-PRE2	Lab	srgt method blank	10/23/2014	Organic	2-Fluorobiphenyl	n/a	=	23.4	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt method blank, rec	10/23/2014	Organic	2-Fluorobiphenyl	n/a	=	93	%	EPA 625	-88	-88	22	107	
2014/15-PRE2	Lab	srgt LCS	10/23/2014	Organic	2-Fluorobiphenyl	n/a	=	18.2	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt LCS, rec	10/23/2014	Organic	2-Fluorobiphenyl	n/a	=	73	%	EPA 625	-88	-88	22	107	
2014/15-PRE2	Lab	srgt LCS dup	10/23/2014	Organic	2-Fluorobiphenyl	n/a	=	22.4	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt LCS dup, rec	10/23/2014	Organic	2-Fluorobiphenyl	n/a	=	89	%	EPA 625	-88	-88	22	107	
2014/15-PRE2	Carboy Blank	srgt equip blank	10/23/2014	Organic	2-Fluorophenol	n/a	=	23.7	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Carboy Blank	srgt equip blank, rec	10/23/2014	Organic	2-Fluorophenol	n/a	=	50	%	EPA 625	-88	-88	3	74	
2014/15-PRE2	Lab	srgt method blank	10/23/2014	Organic	2-Fluorophenol	n/a	=	28.1	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt method blank, rec	10/23/2014	Organic	2-Fluorophenol	n/a	=	56	%	EPA 625	-88	-88	3	74	
2014/15-PRE2	Lab	srgt LCS	10/23/2014	Organic	2-Fluorophenol	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt LCS, rec	10/23/2014	Organic	2-Fluorophenol	n/a	=	43	%	EPA 625	-88	-88	3	74	
2014/15-PRE2	Lab	srgt LCS dup	10/23/2014	Organic	2-Fluorophenol	n/a	=	25.3	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt LCS dup, rec	10/23/2014	Organic	2-Fluorophenol	n/a	=	51	%	EPA 625	-88	-88	3	74	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	2-Nitrophenol	n/a	=	15.8	µg/L	EPA 625	0.26	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	2-Nitrophenol	n/a	=	63	%	EPA 625	-88	-88	29	182	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	2-Nitrophenol	n/a	=	20.2	µg/L	EPA 625	0.26	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	2-Nitrophenol	n/a	=	81	%	EPA 625	-88	-88	29	182	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	2-Nitrophenol	n/a	=	25	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	13.2	µg/L	EPA 625	1.2	5			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	53	%	EPA 625	-88	-88	0.1	262	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	16.5	µg/L	EPA 625	1.2	5			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	66	%	EPA 625	-88	-88	0.1	262	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	3,3'-Dichlorobenzidine	n/a	=	23	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	19.7	µg/L	EPA 625	1.7	5			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	79	%	EPA 625	-88	-88	0.1	181	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	23.5	µg/L	EPA 625	1.7	5			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	94	%	EPA 625	-88	-88	0.1	181	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	4,6-Dinitro-2-methylphenol	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	16.5	µg/L	EPA 625	0.36	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	66	%	EPA 625	-88	-88	53	127	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	19.1	µg/L	EPA 625	0.36	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	76	%	EPA 625	-88	-88	53	127	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	4-Bromophenyl phenyl ether	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	4-Chloro-3-methylphenol	n/a	=	17.7	µg/L	EPA 625	0.23	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	4-Chloro-3-methylphenol	n/a	=	71	%	EPA 625	-88	-88	22	147	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	4-Chloro-3-methylphenol	n/a	=	22.4	µg/L	EPA 625	0.23	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	4-Chloro-3-methylphenol	n/a	=	89	%	EPA 625	-88	-88	22	147	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	4-Chloro-3-methylphenol	n/a	=	23	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	18.3	µg/L	EPA 625	0.41	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	73	%	EPA 625	-88	-88	25	158	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	21.6	µg/L	EPA 625	0.41	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	86	%	EPA 625	-88	-88	25	158	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	4-Chlorophenyl phenyl ether	n/a	=	17	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	4-Nitrophenol	n/a	=	10.4	µg/L	EPA 625	0.45	5			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	4-Nitrophenol	n/a	=	42	%	EPA 625	-88	-88	0.1	132	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	4-Nitrophenol	n/a	=	12.4	µg/L	EPA 625	0.45	5			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	4-Nitrophenol	n/a	=	50	%	EPA 625	-88	-88	0.1	132	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	4-Nitrophenol	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Acenaphthene	n/a	=	18.2	µg/L	EPA 625	0.38	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Acenaphthene	n/a	=	73	%	EPA 625	-88	-88	47	145	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Acenaphthene	n/a	=	22	µg/L	EPA 625	0.38	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Acenaphthene	n/a	=	88	%	EPA 625	-88	-88	47	145	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Acenaphthene	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Acenaphthylene	n/a	=	19.1	µg/L	EPA 625	0.4	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Acenaphthylene	n/a	=	76	%	EPA 625	-88	-88	33	145	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Acenaphthylene	n/a	=	24.1	µg/L	EPA 625	0.4	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Acenaphthylene	n/a	=	96	%	EPA 625	-88	-88	33	145	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Acenaphthylene	n/a	=	23	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Anthracene	n/a	=	19.8	µg/L	EPA 625	0.34	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Anthracene	n/a	=	79	%	EPA 625	-88	-88	27	133	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Anthracene	n/a	=	23.1	µg/L	EPA 625	0.34	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Anthracene	n/a	=	93	%	EPA 625	-88	-88	27	133	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Anthracene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Benz(a)anthracene	n/a	=	20.7	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Benz(a)anthracene	n/a	=	83	%	EPA 625	-88	-88	33	143	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Benz(a)anthracene	n/a	=	23.5	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Benz(a)anthracene	n/a	=	94	%	EPA 625	-88	-88	33	143	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Benz(a)anthracene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10			
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-PRE2	Lab	method blank	10/21/2014	Organic	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Organic	Benzo(a)pyrene	n/a	=	3.75	µg/L	EPA 525.2	0.07	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Organic	Benzo(a)pyrene	n/a	=	75	%	EPA 525.2	-88	-88	40	147	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Organic	Benzo(a)pyrene	n/a	=	3.44	µg/L	EPA 525.2	0.07	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Organic	Benzo(a)pyrene	n/a	=	69	%	EPA 525.2	-88	-88	40	147	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Organic	Benzo(a)pyrene	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Benzo(a)pyrene	n/a	=	13.9	µg/L	EPA 625	0.13	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Benzo(a)pyrene	n/a	=	56	%	EPA 625	-88	-88	17	163	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Benzo(a)pyrene	n/a	=	17.8	µg/L	EPA 625	0.13	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Benzo(a)pyrene	n/a	=	71	%	EPA 625	-88	-88	17	163	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Benzo(a)pyrene	n/a	=	24	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Benzo(b)fluoranthene	n/a	=	16.9	µg/L	EPA 625	0.14	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Benzo(b)fluoranthene	n/a	=	68	%	EPA 625	-88	-88	24	159	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Benzo(b)fluoranthene	n/a	=	20.2	µg/L	EPA 625	0.14	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Benzo(b)fluoranthene	n/a	=	81	%	EPA 625	-88	-88	24	159	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Benzo(b)fluoranthene	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Benzo(g,h,i)perylene	n/a	=	12.3	µg/L	EPA 625	0.1	2			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Benzo(g,h,i)perylene	n/a	=	49	%	EPA 625	-88	-88	0.1	219	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Benzo(g,h,i)perylene	n/a	=	14.9	µg/L	EPA 625	0.1	2			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Benzo(g,h,i)perylene	n/a	=	60	%	EPA 625	-88	-88	0.1	219	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Benzo(g,h,i)perylene	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Benzo(k)fluoranthene	n/a	=	16.3	µg/L	EPA 625	0.22	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Benzo(k)fluoranthene	n/a	=	65	%	EPA 625	-88	-88	11	162	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Benzo(k)fluoranthene	n/a	=	20.5	µg/L	EPA 625	0.22	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Benzo(k)fluoranthene	n/a	=	82	%	EPA 625	-88	-88	11	162	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Benzo(k)fluoranthene	n/a	=	23	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	17.3	µg/L	EPA 625	0.25	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	69	%	EPA 625	-88	-88	33	184	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	21.7	µg/L	EPA 625	0.25	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	87	%	EPA 625	-88	-88	33	184	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Bis(2-chloroethoxy)methane	n/a	=	22	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	14.8	µg/L	EPA 625	0.27	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	59	%	EPA 625	-88	-88	12	158	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	18.9	µg/L	EPA 625	0.27	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	75	%	EPA 625	-88	-88	12	158	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Bis(2-chloroethyl)ether	n/a	=	24	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	18.1	µg/L	EPA 625	0.38	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	73	%	EPA 625	-88	-88	36	166	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	23	µg/L	EPA 625	0.38	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	92	%	EPA 625	-88	-88	36	166	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Bis(2-chloroisopropyl)ether	n/a	=	24	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-PRE2	Lab	method blank	10/21/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5			
2014/15-PRE2	Lab	LCS	10/21/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	6.4	µg/L	EPA 525.2	0.1	5			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	128	%	EPA 525.2	-88	-88	71	158	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	5.16	µg/L	EPA 525.2	0.1	5			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	103	%	EPA 525.2	-88	-88	71	158	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Organic	Bis(2-ethylhexyl)adipate	n/a	=	21	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5			
2014/15-PRE2	Lab	method blank	10/21/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3			
2014/15-PRE2	Lab	LCS	10/21/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	6.65	µg/L	EPA 525.2	1.1	3			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	133	%	EPA 525.2	-88	-88	68	154	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	5.37	µg/L	EPA 525.2	1.1	3			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	107	%	EPA 525.2	-88	-88	68	154	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	21	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.67	µg/L	EPA 625	2.3	5			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	30.3	µg/L	EPA 625	2.3	5			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	121	%	EPA 625	-88	-88	8	158	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	30.1	µg/L	EPA 625	2.3	5			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	120	%	EPA 625	-88	-88	8	158	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Bis(2-ethylhexyl)phthalate	n/a	=	0.7	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Butyl benzyl phthalate	n/a	=	21.8	µg/L	EPA 625	0.18	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Butyl benzyl phthalate	n/a	=	87	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Butyl benzyl phthalate	n/a	=	24.7	µg/L	EPA 625	0.18	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Butyl benzyl phthalate	n/a	=	99	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Butyl benzyl phthalate	n/a	=	12	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Chrysene	n/a	=	22	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Chrysene	n/a	=	88	%	EPA 625	-88	-88	17	168	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Chrysene	n/a	=	25.3	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Chrysene	n/a	=	101	%	EPA 625	-88	-88	17	168	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Chrysene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Dibenz(a,h)anthracene	n/a	=	11.7	µg/L	EPA 625	0.08	2			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Dibenz(a,h)anthracene	n/a	=	47	%	EPA 625	-88	-88	0.1	227	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Dibenz(a,h)anthracene	n/a	=	14.4	µg/L	EPA 625	0.08	2			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Dibenz(a,h)anthracene	n/a	=	58	%	EPA 625	-88	-88	0.1	227	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Dibenz(a,h)anthracene	n/a	=	21	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Diethyl phthalate	n/a	=	18.9	µg/L	EPA 625	0.15	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Diethyl phthalate	n/a	=	76	%	EPA 625	-88	-88	0.1	114	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Diethyl phthalate	n/a	=	22.3	µg/L	EPA 625	0.15	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Diethyl phthalate	n/a	=	89	%	EPA 625	-88	-88	0.1	114	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Diethyl phthalate	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Dimethyl phthalate	n/a	=	19.1	µg/L	EPA 625	0.18	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Dimethyl phthalate	n/a	=	76	%	EPA 625	-88	-88	0.1	112	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Dimethyl phthalate	n/a	=	24.3	µg/L	EPA 625	0.18	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Dimethyl phthalate	n/a	=	97	%	EPA 625	-88	-88	0.1	112	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Dimethyl phthalate	n/a	=	24	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Di-n-butylphthalate	n/a	=	19.8	µg/L	EPA 625	0.24	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Di-n-butylphthalate	n/a	=	79	%	EPA 625	-88	-88	1	118	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Di-n-butylphthalate	n/a	=	22.4	µg/L	EPA 625	0.24	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Di-n-butylphthalate	n/a	=	90	%	EPA 625	-88	-88	1	118	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Di-n-butylphthalate	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Di-n-octylphthalate	n/a	=	19.4	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Di-n-octylphthalate	n/a	=	78	%	EPA 625	-88	-88	4	146	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Di-n-octylphthalate	n/a	=	22	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Di-n-octylphthalate	n/a	=	88	%	EPA 625	-88	-88	4	146	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Di-n-octylphthalate	n/a	=	13	%	EPA 625	-88	-88	0	30	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Fluoranthene	n/a	=	21.2	µg/L	EPA 625	0.22	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Fluoranthene	n/a	=	85	%	EPA 625	-88	-88	26	137	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Fluoranthene	n/a	=	24.3	µg/L	EPA 625	0.22	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Fluoranthene	n/a	=	97	%	EPA 625	-88	-88	26	137	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Fluoranthene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Fluorene	n/a	=	19	µg/L	EPA 625	0.35	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Fluorene	n/a	=	76	%	EPA 625	-88	-88	59	121	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Fluorene	n/a	=	22.3	µg/L	EPA 625	0.35	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Fluorene	n/a	=	89	%	EPA 625	-88	-88	59	121	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Fluorene	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Hexachlorobenzene	n/a	=	19.2	µg/L	EPA 625	0.49	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Hexachlorobenzene	n/a	=	77	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Hexachlorobenzene	n/a	=	22.2	µg/L	EPA 625	0.49	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Hexachlorobenzene	n/a	=	89	%	EPA 625	-88	-88	0.1	152	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Hexachlorobenzene	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Hexachlorobutadiene	n/a	=	16.8	µg/L	EPA 625	0.47	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Hexachlorobutadiene	n/a	=	67	%	EPA 625	-88	-88	24	116	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Hexachlorobutadiene	n/a	=	20.6	µg/L	EPA 625	0.47	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Hexachlorobutadiene	n/a	=	82	%	EPA 625	-88	-88	24	116	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Hexachlorobutadiene	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Hexachlorocyclopentadiene	n/a	=	10.2	µg/L	EPA 625	1.5	5			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Hexachlorocyclopentadiene	n/a	=	41	%	EPA 625	-88	-88	0.1	81	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Hexachlorocyclopentadiene	n/a	=	13.5	µg/L	EPA 625	1.5	5			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Hexachlorocyclopentadiene	n/a	=	54	%	EPA 625	-88	-88	0.1	81	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Hexachlorocyclopentadiene	n/a	=	27	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Hexachloroethane	n/a	=	15.4	µg/L	EPA 625	0.52	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Hexachloroethane	n/a	=	62	%	EPA 625	-88	-88	40	113	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Hexachloroethane	n/a	=	18.8	µg/L	EPA 625	0.52	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Hexachloroethane	n/a	=	75	%	EPA 625	-88	-88	40	113	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Hexachloroethane	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	12.7	µg/L	EPA 625	0.12	2			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	51	%	EPA 625	-88	-88	0.1	171	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	15.2	µg/L	EPA 625	0.12	2			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	61	%	EPA 625	-88	-88	0.1	171	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Indeno(1,2,3-cd)pyrene	n/a	=	18	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Isophorone	n/a	=	16.4	µg/L	EPA 625	0.21	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Isophorone	n/a	=	66	%	EPA 625	-88	-88	21	196	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Isophorone	n/a	=	20.9	µg/L	EPA 625	0.21	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Isophorone	n/a	=	84	%	EPA 625	-88	-88	21	196	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Isophorone	n/a	=	24	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Naphthalene	n/a	=	16.9	µg/L	EPA 625	0.49	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Naphthalene	n/a	=	68	%	EPA 625	-88	-88	21	133	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Naphthalene	n/a	=	20.4	µg/L	EPA 625	0.49	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Naphthalene	n/a	=	82	%	EPA 625	-88	-88	21	133	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Naphthalene	n/a	=	19	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Nitrobenzene	n/a	=	17.2	µg/L	EPA 625	0.36	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Nitrobenzene	n/a	=	69	%	EPA 625	-88	-88	35	180	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Nitrobenzene	n/a	=	21.8	µg/L	EPA 625	0.36	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Nitrobenzene	n/a	=	87	%	EPA 625	-88	-88	35	180	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Nitrobenzene	n/a	=	23	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	srgt equip blank	10/23/2014	Organic	Nitrobenzene-d5	n/a	=	21.4	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Carboy Blank	srgt equip blank, rec	10/23/2014	Organic	Nitrobenzene-d5	n/a	=	90	%	EPA 625	-88	-88	27	111	
2014/15-PRE2	Lab	srgt method blank	10/23/2014	Organic	Nitrobenzene-d5	n/a	=	23.2	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt method blank, rec	10/23/2014	Organic	Nitrobenzene-d5	n/a	=	93	%	EPA 625	-88	-88	27	111	
2014/15-PRE2	Lab	srgt LCS	10/23/2014	Organic	Nitrobenzene-d5	n/a	=	16.7	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt LCS, rec	10/23/2014	Organic	Nitrobenzene-d5	n/a	=	67	%	EPA 625	-88	-88	27	111	
2014/15-PRE2	Lab	srgt LCS dup	10/23/2014	Organic	Nitrobenzene-d5	n/a	=	20.8	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt LCS dup, rec	10/23/2014	Organic	Nitrobenzene-d5	n/a	=	83	%	EPA 625	-88	-88	27	111	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	N-Nitrosodimethylamine	n/a	=	9.58	µg/L	EPA 625	0.14	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	N-Nitrosodimethylamine	n/a	=	38	%	EPA 625	-88	-88	15	59	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	N-Nitrosodimethylamine	n/a	=	12.8	µg/L	EPA 625	0.14	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	N-Nitrosodimethylamine	n/a	=	51	%	EPA 625	-88	-88	15	59	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	N-Nitrosodimethylamine	n/a	=	29	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	17.4	µg/L	EPA 625	0.26	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	69	%	EPA 625	-88	-88	0.1	230	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	22.2	µg/L	EPA 625	0.26	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	89	%	EPA 625	-88	-88	0.1	230	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	N-Nitrosodi-N-propylamine	n/a	=	24	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	N-Nitrosodiphenylamine	n/a	=	16.4	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	N-Nitrosodiphenylamine	n/a	=	66	%	EPA 625	-88	-88	42	90	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	N-Nitrosodiphenylamine	n/a	=	18.8	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	N-Nitrosodiphenylamine	n/a	=	75	%	EPA 625	-88	-88	42	90	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	N-Nitrosodiphenylamine	n/a	=	14	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	srgt equip blank	10/21/2014	Organic	Perylene-d12	n/a	=	5.45	µg/L	EPA 525.2	-88	-88			
2014/15-PRE2	Carboy Blank	srgt equip blank, rec	10/21/2014	Organic	Perylene-d12	n/a	=	109	%	EPA 525.2	-88	-88	30	118	
2014/15-PRE2	Lab	srgt method blank	10/21/2014	Organic	Perylene-d12	n/a	=	5.15	µg/L	EPA 525.2	-88	-88			
2014/15-PRE2	Lab	srgt method blank, rec	10/21/2014	Organic	Perylene-d12	n/a	=	103	%	EPA 525.2	-88	-88	30	118	
2014/15-PRE2	Lab	srgt LCS	10/21/2014	Organic	Perylene-d12	n/a	=	6.01	µg/L	EPA 525.2	-88	-88			GN
2014/15-PRE2	Lab	srgt LCS, rec	10/21/2014	Organic	Perylene-d12	n/a	=	120	%	EPA 525.2	-88	-88	30	118	GN
2014/15-PRE2	Lab	srgt LCS dup	10/21/2014	Organic	Perylene-d12	n/a	=	6	µg/L	EPA 525.2	-88	-88			GN
2014/15-PRE2	Lab	srgt LCS dup, rec	10/21/2014	Organic	Perylene-d12	n/a	=	120	%	EPA 525.2	-88	-88	30	118	GN
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Phenanthrene	n/a	=	20.3	µg/L	EPA 625	0.32	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Phenanthrene	n/a	=	81	%	EPA 625	-88	-88	54	120	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Phenanthrene	n/a	=	23.6	µg/L	EPA 625	0.32	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Phenanthrene	n/a	=	94	%	EPA 625	-88	-88	54	120	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Phenanthrene	n/a	=	15	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Phenol	n/a	=	7.15	µg/L	EPA 625	0.16	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Phenol	n/a	=	29	%	EPA 625	-88	-88	5	112	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Phenol	n/a	=	8.71	µg/L	EPA 625	0.16	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Phenol	n/a	=	35	%	EPA 625	-88	-88	5	112	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Phenol	n/a	=	20	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	srgt equip blank	10/23/2014	Organic	Phenol-d5	n/a	=	16.1	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Carboy Blank	srgt equip blank, rec	10/23/2014	Organic	Phenol-d5	n/a	=	34	%	EPA 625	-88	-88	0.1	53	
2014/15-PRE2	Lab	srgt method blank	10/23/2014	Organic	Phenol-d5	n/a	=	20.1	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt method blank, rec	10/23/2014	Organic	Phenol-d5	n/a	=	40	%	EPA 625	-88	-88	0.1	53	
2014/15-PRE2	Lab	srgt LCS	10/23/2014	Organic	Phenol-d5	n/a	=	15	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt LCS, rec	10/23/2014	Organic	Phenol-d5	n/a	=	30	%	EPA 625	-88	-88	0.1	53	
2014/15-PRE2	Lab	srgt LCS dup	10/23/2014	Organic	Phenol-d5	n/a	=	18.1	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt LCS dup, rec	10/23/2014	Organic	Phenol-d5	n/a	=	36	%	EPA 625	-88	-88	0.1	53	
2014/15-PRE2	Carboy Blank	srgt equip blank	10/23/2014	Organic	p-Terphenyl-d14	n/a	=	22	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Carboy Blank	srgt equip blank, rec	10/23/2014	Organic	p-Terphenyl-d14	n/a	=	92	%	EPA 625	-88	-88	28	113	
2014/15-PRE2	Lab	srgt method blank	10/23/2014	Organic	p-Terphenyl-d14	n/a	=	22.4	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt method blank, rec	10/23/2014	Organic	p-Terphenyl-d14	n/a	=	89	%	EPA 625	-88	-88	28	113	
2014/15-PRE2	Lab	srgt LCS	10/23/2014	Organic	p-Terphenyl-d14	n/a	=	20.4	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt LCS, rec	10/23/2014	Organic	p-Terphenyl-d14	n/a	=	82	%	EPA 625	-88	-88	28	113	
2014/15-PRE2	Lab	srgt LCS dup	10/23/2014	Organic	p-Terphenyl-d14	n/a	=	23.3	µg/L	EPA 625	-88	-88			
2014/15-PRE2	Lab	srgt LCS dup, rec	10/23/2014	Organic	p-Terphenyl-d14	n/a	=	93	%	EPA 625	-88	-88	28	113	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Organic	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Organic	Pyrene	n/a	=	21.8	µg/L	EPA 625	0.25	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Organic	Pyrene	n/a	=	87	%	EPA 625	-88	-88	52	115	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Organic	Pyrene	n/a	=	24.8	µg/L	EPA 625	0.25	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Organic	Pyrene	n/a	=	99	%	EPA 625	-88	-88	52	115	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Organic	Pyrene	n/a	=	13	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	srgt equip blank	10/21/2014	Organic	Triphenylphosphate	n/a	=	7.48	µg/L	EPA 525.2	-88	-88			GN
2014/15-PRE2	Carboy Blank	srgt equip blank, rec	10/21/2014	Organic	Triphenylphosphate	n/a	=	150	%	EPA 525.2	-88	-88	70	149	GN
2014/15-PRE2	Lab	srgt method blank	10/21/2014	Organic	Triphenylphosphate	n/a	=	7.68	µg/L	EPA 525.2	-88	-88			GN
2014/15-PRE2	Lab	srgt method blank, rec	10/21/2014	Organic	Triphenylphosphate	n/a	=	154	%	EPA 525.2	-88	-88	70	149	GN
2014/15-PRE2	Lab	srgt LCS	10/21/2014	Organic	Triphenylphosphate	n/a	=	8.05	µg/L	EPA 525.2	-88	-88			GN
2014/15-PRE2	Lab	srgt LCS, rec	10/21/2014	Organic	Triphenylphosphate	n/a	=	161	%	EPA 525.2	-88	-88	70	149	GN
2014/15-PRE2	Lab	srgt LCS dup	10/21/2014	Organic	Triphenylphosphate	n/a	=	7.9	µg/L	EPA 525.2	-88	-88			GN
2014/15-PRE2	Lab	srgt LCS dup, rec	10/21/2014	Organic	Triphenylphosphate	n/a	=	158	%	EPA 525.2	-88	-88	70	149	GN
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Alachlor	n/a	=	3.51	µg/L	EPA 525.2	0.022	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Alachlor	n/a	=	70	%	EPA 525.2	-88	-88	55	124	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Alachlor	n/a	=	3.63	µg/L	EPA 525.2	0.022	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Alachlor	n/a	=	73	%	EPA 525.2	-88	-88	55	124	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Alachlor	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Atrazine	n/a	=	4.59	µg/L	EPA 525.2	0.034	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Atrazine	n/a	=	92	%	EPA 525.2	-88	-88	67	131	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Atrazine	n/a	=	4.93	µg/L	EPA 525.2	0.034	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Atrazine	n/a	=	99	%	EPA 525.2	-88	-88	67	131	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Atrazine	n/a	=	7	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	0.5			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Bromacil	n/a	=	3.91	µg/L	EPA 525.2	0.038	0.5			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Bromacil	n/a	=	78	%	EPA 525.2	-88	-88	62	139	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Bromacil	n/a	=	4.34	µg/L	EPA 525.2	0.038	0.5			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Bromacil	n/a	=	87	%	EPA 525.2	-88	-88	62	139	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Bromacil	n/a	=	10	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Butachlor	n/a	=	3.81	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Butachlor	n/a	=	76	%	EPA 525.2	-88	-88	61	127	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Butachlor	n/a	=	3.77	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Butachlor	n/a	=	75	%	EPA 525.2	-88	-88	61	127	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Butachlor	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Captan	n/a	=	6.75	µg/L	EPA 525.2	0.86	1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Captan	n/a	=	135	%	EPA 525.2	-88	-88	14	159	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Captan	n/a	=	6.71	µg/L	EPA 525.2	0.86	1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Captan	n/a	=	134	%	EPA 525.2	-88	-88	14	159	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Captan	n/a	=	0.6	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Chloroprotham	n/a	=	4.47	µg/L	EPA 525.2	0.01	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Chloroprotham	n/a	=	89	%	EPA 525.2	-88	-88	77	143	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Chloroprotham	n/a	=	4.72	µg/L	EPA 525.2	0.01	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Chloroprotham	n/a	=	94	%	EPA 525.2	-88	-88	77	143	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Chloroprotham	n/a	=	5	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Cyanazine	n/a	=	6.21	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Cyanazine	n/a	=	124	%	EPA 525.2	-88	-88	61	129	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Cyanazine	n/a	=	6.38	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Cyanazine	n/a	=	128	%	EPA 525.2	-88	-88	61	129	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Cyanazine	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Diazinon	n/a	=	3.13	µg/L	EPA 525.2	0.096	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Diazinon	n/a	=	63	%	EPA 525.2	-88	-88	30	120	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Diazinon	n/a	=	2.47	µg/L	EPA 525.2	0.096	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Diazinon	n/a	=	49	%	EPA 525.2	-88	-88	30	120	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Diazinon	n/a	=	24	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Dimethoate	n/a	=	3.88	µg/L	EPA 525.2	0.024	0.2			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Dimethoate	n/a	=	78	%	EPA 525.2	-88	-88	38	102	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Dimethoate	n/a	=	4.2	µg/L	EPA 525.2	0.024	0.2			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Dimethoate	n/a	=	84	%	EPA 525.2	-88	-88	38	102	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Dimethoate	n/a	=	8	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Diphenamid	n/a	=	5.87	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Diphenamid	n/a	=	117	%	EPA 525.2	-88	-88	77	124	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Diphenamid	n/a	=	5.77	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Diphenamid	n/a	=	115	%	EPA 525.2	-88	-88	77	124	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Diphenamid	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Disulfoton	n/a	=	5.32	µg/L	EPA 525.2	0.031	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Disulfoton	n/a	=	106	%	EPA 525.2	-88	-88	54	156	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Disulfoton	n/a	=	5.25	µg/L	EPA 525.2	0.031	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Disulfoton	n/a	=	105	%	EPA 525.2	-88	-88	54	156	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Disulfoton	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	EPTC	n/a	=	5.11	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	EPTC	n/a	=	102	%	EPA 525.2	-88	-88	82	116	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	EPTC	n/a	=	5.23	µg/L	EPA 525.2	0.017	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	EPTC	n/a	=	105	%	EPA 525.2	-88	-88	82	116	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	EPTC	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Metolachlor	n/a	=	3.4	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Metolachlor	n/a	=	68	%	EPA 525.2	-88	-88	61	123	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Metolachlor	n/a	=	3.39	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Metolachlor	n/a	=	68	%	EPA 525.2	-88	-88	61	123	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Metolachlor	n/a	=	0.3	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Metribuzin	n/a	=	3.5	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Metribuzin	n/a	=	70	%	EPA 525.2	-88	-88	50	121	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Metribuzin	n/a	=	3.54	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Metribuzin	n/a	=	71	%	EPA 525.2	-88	-88	50	121	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Metribuzin	n/a	=	1	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Molinate	n/a	=	5.1	µg/L	EPA 525.2	0.039	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Molinate	n/a	=	102	%	EPA 525.2	-88	-88	82	117	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Molinate	n/a	=	5.19	µg/L	EPA 525.2	0.039	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Molinate	n/a	=	104	%	EPA 525.2	-88	-88	82	117	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Molinate	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/23/2014	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	method blank	10/23/2014	Pesticide	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS	10/23/2014	Pesticide	Pentachlorophenol	n/a	=	18.9	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS, rec	10/23/2014	Pesticide	Pentachlorophenol	n/a	=	76	%	EPA 625	-88	-88	14	176	
2014/15-PRE2	Lab	LCS dup	10/23/2014	Pesticide	Pentachlorophenol	n/a	=	22.2	µg/L	EPA 625	0.19	1			
2014/15-PRE2	Lab	LCS dup, rec	10/23/2014	Pesticide	Pentachlorophenol	n/a	=	89	%	EPA 625	-88	-88	14	176	
2014/15-PRE2	Lab	LCS, RPD	10/23/2014	Pesticide	Pentachlorophenol	n/a	=	16	%	EPA 625	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Prometon	n/a	=	0.82	µg/L	EPA 525.2	0.024	0.1			EUM
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Prometon	n/a	=	16	%	EPA 525.2	-88	-88	17	101	EUM
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Prometon	n/a	=	0.99	µg/L	EPA 525.2	0.024	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Prometon	n/a	=	20	%	EPA 525.2	-88	-88	17	101	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Prometon	n/a	=	19	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Prometryn	n/a	=	2.7	µg/L	EPA 525.2	0.036	0.1			EUM
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Prometryn	n/a	=	54	%	EPA 525.2	-88	-88	57	122	EUM
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Prometryn	n/a	=	2.96	µg/L	EPA 525.2	0.036	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Prometryn	n/a	=	59	%	EPA 525.2	-88	-88	57	122	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Prometryn	n/a	=	9	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Simazine	n/a	=	3.39	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Simazine	n/a	=	68	%	EPA 525.2	-88	-88	53	116	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Simazine	n/a	=	3.52	µg/L	EPA 525.2	0.015	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Simazine	n/a	=	70	%	EPA 525.2	-88	-88	53	116	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Simazine	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Terbacil	n/a	=	5.72	µg/L	EPA 525.2	0.55	2			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Terbacil	n/a	=	114	%	EPA 525.2	-88	-88	70	135	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Terbacil	n/a	=	5.59	µg/L	EPA 525.2	0.55	2			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Terbacil	n/a	=	112	%	EPA 525.2	-88	-88	70	135	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Terbacil	n/a	=	2	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Thiobencarb	n/a	=	3.31	µg/L	EPA 525.2	0.025	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Thiobencarb	n/a	=	66	%	EPA 525.2	-88	-88	56	125	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Thiobencarb	n/a	=	3.42	µg/L	EPA 525.2	0.025	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Thiobencarb	n/a	=	68	%	EPA 525.2	-88	-88	56	125	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Thiobencarb	n/a	=	3	%	EPA 525.2	-88	-88	0	30	
2014/15-PRE2	Carboy Blank	equip blank	10/21/2014	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE2	Lab	method blank	10/21/2014	Pesticide	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE2	Lab	LCS	10/21/2014	Pesticide	Trithion	n/a	=	4.14	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE2	Lab	LCS, rec	10/21/2014	Pesticide	Trithion	n/a	=	83	%	EPA 525.2	-88	-88	60	124	
2014/15-PRE2	Lab	LCS dup	10/21/2014	Pesticide	Trithion	n/a	=	4.29	µg/L	EPA 525.2	0.012	0.1			
2014/15-PRE2	Lab	LCS dup, rec	10/21/2014	Pesticide	Trithion	n/a	=	86	%	EPA 525.2	-88	-88	60	124	
2014/15-PRE2	Lab	LCS, RPD	10/21/2014	Pesticide	Trithion	n/a	=	4	%	EPA 525.2	-88	-88	0	30	
2015-DRY	DRY-MPK2	matrix spike	8/26/2015	Cation	Calcium	Total	=	95	mg/L	EPA 200.7	0.016	0.1			
2015-DRY	DRY-MPK2	matrix spike, rec	8/26/2015	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2015-DRY	DRY-MPK2	matrix spike dup	8/26/2015	Cation	Calcium	Total	=	96.1	mg/L	EPA 200.7	0.016	0.1			
2015-DRY	DRY-MPK2	matrix spike dup, rec	8/26/2015	Cation	Calcium	Total	=	101	%	EPA 200.7	-88	-88	70	130	
2015-DRY	DRY-MPK2	matrix spike, RPD	8/26/2015	Cation	Calcium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2015-DRY	Lab	method blank	8/26/2015	Cation	Calcium	Total	DNQ	0.0335	mg/L	EPA 200.7	0.016	0.1			
2015-DRY	Lab	LCS	8/26/2015	Cation	Calcium	Total	=	50.4	mg/L	EPA 200.7	0.016	0.1			
2015-DRY	Lab	LCS, rec	8/26/2015	Cation	Calcium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2015-DRY	MO-FIL	matrix spike	8/26/2015	Cation	Calcium	Total	=	220	mg/L	EPA 200.7	0.016	0.1			
2015-DRY	MO-FIL	matrix spike, rec	8/26/2015	Cation	Calcium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2015-DRY	MO-FIL	matrix spike dup	8/26/2015	Cation	Calcium	Total	=	223	mg/L	EPA 200.7	0.016	0.1			
2015-DRY	MO-FIL	matrix spike dup, rec	8/26/2015	Cation	Calcium	Total	=	105	%	EPA 200.7	-88	-88	70	130	
2015-DRY	MO-FIL	matrix spike, RPD	8/26/2015	Cation	Calcium	Total	=	1	%	EPA 200.7	-88	-88	0	30	
2015-DRY	DRY-MPK2	matrix spike	8/26/2015	Cation	Magnesium	Total	=	56.4	mg/L	EPA 200.7	0.012	0.1			
2015-DRY	DRY-MPK2	matrix spike, rec	8/26/2015	Cation	Magnesium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2015-DRY	DRY-MPK2	matrix spike dup	8/26/2015	Cation	Magnesium	Total	=	56.7	mg/L	EPA 200.7	0.012	0.1			
2015-DRY	DRY-MPK2	matrix spike dup, rec	8/26/2015	Cation	Magnesium	Total	=	103	%	EPA 200.7	-88	-88	70	130	
2015-DRY	DRY-MPK2	matrix spike, RPD	8/26/2015	Cation	Magnesium	Total	=	0.5	%	EPA 200.7	-88	-88	0	30	
2015-DRY	Lab	method blank	8/26/2015	Cation	Magnesium	Total	<	0.012	mg/L	EPA 200.7	0.012	0.1			
2015-DRY	Lab	LCS	8/26/2015	Cation	Magnesium	Total	=	50.2	mg/L	EPA 200.7	0.012	0.1			
2015-DRY	Lab	LCS, rec	8/26/2015	Cation	Magnesium	Total	=	100	%	EPA 200.7	-88	-88	85	115	
2015-DRY	MO-FIL	matrix spike	8/26/2015	Cation	Magnesium	Total	=	103	mg/L	EPA 200.7	0.012	0.1			
2015-DRY	MO-FIL	matrix spike, rec	8/26/2015	Cation	Magnesium	Total	=	98	%	EPA 200.7	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2015-DRY	MO-FIL	matrix spike dup	8/26/2015	Cation	Magnesium	Total	=	104	mg/L	EPA 200.7	0.012	0.1			
2015-DRY	MO-FIL	matrix spike dup, rec	8/26/2015	Cation	Magnesium	Total	=	99	%	EPA 200.7	-88	-88	70	130	
2015-DRY	MO-FIL	matrix spike, RPD	8/26/2015	Cation	Magnesium	Total	=	0.4	%	EPA 200.7	-88	-88	0	30	
2015-DRY	000NONPJ	matrix spike	8/26/2015	Conventional	Total Organic Carbon	n/a	=	5.1	mg/L	SM 5310 C	0.009	0.3			
2015-DRY	000NONPJ	matrix spike dup	8/26/2015	Conventional	Total Organic Carbon	n/a	=	5.19	mg/L	SM 5310 C	0.009	0.3			
2015-DRY	000NONPJ	matrix spike dup, rec	8/26/2015	Conventional	Total Organic Carbon	n/a	=	99	%	SM 5310 C	-88	-88	80	116	
2015-DRY	000NONPJ	matrix spike, rec	8/26/2015	Conventional	Total Organic Carbon	n/a	=	97	%	SM 5310 C	-88	-88	80	116	
2015-DRY	000NONPJ	matrix spike, RPD	8/26/2015	Conventional	Total Organic Carbon	n/a	=	2	%	SM 5310 C	-88	-88	0	20	
2015-DRY	Lab	LCS	8/26/2015	Conventional	Total Organic Carbon	n/a	=	4.77	mg/L	SM 5310 C	0.009	0.3			
2015-DRY	Lab	LCS, rec	8/26/2015	Conventional	Total Organic Carbon	n/a	=	95	%	SM 5310 C	-88	-88	85	115	
2015-DRY	Lab	method blank	8/26/2015	Conventional	Total Organic Carbon	n/a	DNQ	0.0898	mg/L	SM 5310 C	0.009	0.3			
2015-DRY	DRY-MPK2	matrix spike	9/2/2015	Metal	Copper	Dissolved	=	55.3	µg/L	EPA 200.8	0.13	0.5			
2015-DRY	DRY-MPK2	matrix spike, rec	9/2/2015	Metal	Copper	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2015-DRY	DRY-MPK2	matrix spike dup	9/2/2015	Metal	Copper	Dissolved	=	56.2	µg/L	EPA 200.8	0.13	0.5			
2015-DRY	DRY-MPK2	matrix spike dup, rec	9/2/2015	Metal	Copper	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2015-DRY	DRY-MPK2	matrix spike, RPD	9/2/2015	Metal	Copper	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2015-DRY	Lab	method blank	9/2/2015	Metal	Copper	Dissolved	<	0.13	µg/L	EPA 200.8	0.13	0.5			
2015-DRY	Lab	LCS	9/2/2015	Metal	Copper	Dissolved	=	50.8	µg/L	EPA 200.8	0.13	0.5			
2015-DRY	Lab	LCS, rec	9/2/2015	Metal	Copper	Dissolved	=	102	%	EPA 200.8	-88	-88	85	115	
2015-DRY	MO-OXN	matrix spike	9/2/2015	Metal	Copper	Dissolved	=	49.7	µg/L	EPA 200.8	0.13	0.5			
2015-DRY	MO-OXN	matrix spike, rec	9/2/2015	Metal	Copper	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2015-DRY	MO-OXN	matrix spike dup	9/2/2015	Metal	Copper	Dissolved	=	48.9	µg/L	EPA 200.8	0.13	0.5			
2015-DRY	MO-OXN	matrix spike dup, rec	9/2/2015	Metal	Copper	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	
2015-DRY	MO-OXN	matrix spike, RPD	9/2/2015	Metal	Copper	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2015-DRY	DRY-MPK2	matrix spike	9/2/2015	Metal	Lead	Dissolved	=	49.2	µg/L	EPA 200.8	0.031	0.2			
2015-DRY	DRY-MPK2	matrix spike, rec	9/2/2015	Metal	Lead	Dissolved	=	98	%	EPA 200.8	-88	-88	70	130	
2015-DRY	DRY-MPK2	matrix spike dup	9/2/2015	Metal	Lead	Dissolved	=	50.5	µg/L	EPA 200.8	0.031	0.2			
2015-DRY	DRY-MPK2	matrix spike dup, rec	9/2/2015	Metal	Lead	Dissolved	=	101	%	EPA 200.8	-88	-88	70	130	
2015-DRY	DRY-MPK2	matrix spike, RPD	9/2/2015	Metal	Lead	Dissolved	=	3	%	EPA 200.8	-88	-88	0	30	
2015-DRY	Lab	method blank	9/2/2015	Metal	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2			
2015-DRY	Lab	LCS	9/2/2015	Metal	Lead	Dissolved	=	48.9	µg/L	EPA 200.8	0.031	0.2			
2015-DRY	Lab	LCS, rec	9/2/2015	Metal	Lead	Dissolved	=	98	%	EPA 200.8	-88	-88	85	115	
2015-DRY	MO-OXN	matrix spike	9/2/2015	Metal	Lead	Dissolved	=	49	µg/L	EPA 200.8	0.031	0.2			
2015-DRY	MO-OXN	matrix spike, rec	9/2/2015	Metal	Lead	Dissolved	=	98	%	EPA 200.8	-88	-88	70	130	
2015-DRY	MO-OXN	matrix spike dup	9/2/2015	Metal	Lead	Dissolved	=	47.8	µg/L	EPA 200.8	0.031	0.2			
2015-DRY	MO-OXN	matrix spike dup, rec	9/2/2015	Metal	Lead	Dissolved	=	96	%	EPA 200.8	-88	-88	70	130	
2015-DRY	MO-OXN	matrix spike, RPD	9/2/2015	Metal	Lead	Dissolved	=	2	%	EPA 200.8	-88	-88	0	30	
2015-DRY	DRY-MPK2	matrix spike	9/2/2015	Metal	Zinc	Dissolved	=	52	µg/L	EPA 200.8	0.94	5			
2015-DRY	DRY-MPK2	matrix spike, rec	9/2/2015	Metal	Zinc	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2015-DRY	DRY-MPK2	matrix spike dup	9/2/2015	Metal	Zinc	Dissolved	=	52.2	µg/L	EPA 200.8	0.94	5			
2015-DRY	DRY-MPK2	matrix spike dup, rec	9/2/2015	Metal	Zinc	Dissolved	=	97	%	EPA 200.8	-88	-88	70	130	
2015-DRY	DRY-MPK2	matrix spike, RPD	9/2/2015	Metal	Zinc	Dissolved	=	0.5	%	EPA 200.8	-88	-88	0	30	
2015-DRY	Lab	method blank	9/2/2015	Metal	Zinc	Dissolved	DNQ	1.4	µg/L	EPA 200.8	0.94	5			
2015-DRY	Lab	LCS	9/2/2015	Metal	Zinc	Dissolved	=	51.5	µg/L	EPA 200.8	0.94	5			
2015-DRY	Lab	LCS, rec	9/2/2015	Metal	Zinc	Dissolved	=	103	%	EPA 200.8	-88	-88	85	115	
2015-DRY	MO-OXN	matrix spike	9/2/2015	Metal	Zinc	Dissolved	=	49.6	µg/L	EPA 200.8	0.94	5			
2015-DRY	MO-OXN	matrix spike, rec	9/2/2015	Metal	Zinc	Dissolved	=	95	%	EPA 200.8	-88	-88	70	130	

Appendix F
Laboratory QA/QC Analysis Results

Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result	Units	Method	MDL	RL	QA Limit		DQOComp
													Min	Max	
2015-DRY	MO-OXN	matrix spike dup	9/2/2015	Metal	Zinc	Dissolved	=	49.2	µg/L	EPA 200.8	0.94	5			
2015-DRY	MO-OXN	matrix spike dup, rec	9/2/2015	Metal	Zinc	Dissolved	=	94	%	EPA 200.8	-88	-88	70	130	
2015-DRY	MO-OXN	matrix spike, RPD	9/2/2015	Metal	Zinc	Dissolved	=	0.8	%	EPA 200.8	-88	-88	0	30	

Appendix G. Laboratory Environmental Analysis Results

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	4/27/2015 3:58:00 PM	Total Organic Carbon	n/a	=	12200	mg/Kg dw	EPA 9060	36	200	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Dichloran	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Pendimethalin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Allethrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Bifenthrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Cyfluthrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	LB-LCSR
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Cypermethrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Deltamethrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	LB-LCSR
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Esfenvalerate	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Fenpropathrin (Danitol)	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Fenvalerate	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	lambda-Cyhalothrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	LB-LCSR
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Permethrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Phenothrin (Sumithrin)	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Prallethrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Tefluthrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
CCWR07-02	PS-2015	Dry	4/15/2015 12:45:00 PM	5/8/2015 11:33:00 AM	Tralomehrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	LB-LCSR
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/21/2015 8:30:00 AM	E. Coli	n/a	=	44100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/21/2015 8:30:00 AM	Total Coliform	n/a	=	201400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/26/2015 3:50:00 PM	Calcium	Total	=	300	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/26/2015 3:50:00 PM	Magnesium	Total	=	230	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/20/2015 11:40:00 AM	Conductivity	n/a	=	9230	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/20/2015 11:40:00 AM	Discharge	n/a	=	12	cfs	Field Estimate	-88	-88	Field Crew	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/20/2015 11:40:00 AM	DO	n/a	=	47.4	%	Field Meter	-88	0.1	Field Crew	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/20/2015 11:40:00 AM	DO	n/a	=	3.98	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/26/2015 3:50:00 PM	Hardness as CaCO3	Total	=	1690	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/20/2015 11:40:00 AM	pH	n/a	=	7.31	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/20/2015 11:40:00 AM	Salinity	n/a	=	5900	mg/L	Field Meter	-88	100	Field Crew	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/20/2015 11:40:00 AM	Specific Conductance	n/a	=	10450	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/20/2015 11:40:00 AM	Temperature	n/a	=	23.2	°C	Field Meter	-88	0.1	Field Crew	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/26/2015 11:01:00 AM	Total Organic Carbon	n/a	=	5.5	mg/L	SM 5310 C	0.036	1.2	WKL	D
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	8/20/2015 11:40:00 AM	Turbidity	n/a	=	15.7	NTU	Field Meter	-88	0.01	Field Crew	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	9/2/2015 1:49:00 PM	Copper	Dissolved	DNQ	0.21	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	9/2/2015 1:49:00 PM	Lead	Dissolved	DNQ	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-HUE3	2015-DRY	Dry	8/20/2015 11:40:00 AM	9/2/2015 1:49:00 PM	Zinc	Dissolved	DNQ	1.2	µg/L	EPA 200.8	0.94	5	WKL	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/20/2015 9:25:17 AM	E. Coli	n/a	=	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/20/2015 9:25:17 AM	Total Coliform	n/a	=	2359	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/26/2015 3:42:00 PM	Calcium	Total	=	45.4	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/26/2015 3:42:00 PM	Magnesium	Total	=	4.9	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/19/2015 11:20:00 AM	Conductivity	n/a	=	890	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/19/2015 11:20:00 AM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	-88	Field Crew	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/19/2015 11:20:00 AM	DO	n/a	=	11.48	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/19/2015 11:20:00 AM	DO	n/a	=	156.1	%	Field Meter	-88	0.1	Field Crew	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/26/2015 3:42:00 PM	Hardness as CaCO3	Total	=	134	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/19/2015 11:20:00 AM	pH	n/a	=	9.99	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/19/2015 11:20:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/19/2015 11:20:00 AM	Specific Conductance	n/a	=	790	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/19/2015 11:20:00 AM	Temperature	n/a	=	31.4	°C	Field Meter	-88	0.1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/26/2015 11:01:00 AM	Total Organic Carbon	n/a	=	9.8	mg/L	SM 5310 C	0.045	1.5	WKL	D
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	8/19/2015 11:20:00 AM	Turbidity	n/a	=	5.37	NTU	Field Meter	-88	0.01	Field Crew	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	9/2/2015 1:09:00 PM	Copper	Dissolved	=	7.9	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	9/2/2015 1:09:00 PM	Lead	Dissolved	=	0.25	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-MPK2	2015-DRY	Dry	8/19/2015 11:20:00 AM	9/2/2015 1:09:00 PM	Zinc	Dissolved	DNQ	3.6	µg/L	EPA 200.8	0.94	5	WKL	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/21/2015 8:30:00 AM	E. Coli	n/a	=	3076	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/21/2015 8:30:00 AM	Total Coliform	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/26/2015 3:45:00 PM	Calcium	Total	=	246	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/26/2015 3:45:00 PM	Magnesium	Total	=	57.1	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/20/2015 10:10:00 AM	Conductivity	n/a	=	1489	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/20/2015 10:10:00 AM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	-88	Field Crew	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/20/2015 10:10:00 AM	DO	n/a	=	64.1	%	Field Meter	-88	0.1	Field Crew	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/20/2015 10:10:00 AM	DO	n/a	=	5.9	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/26/2015 3:45:00 PM	Hardness as CaCO3	Total	=	848	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/20/2015 10:10:00 AM	pH	n/a	=	7.41	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/20/2015 10:10:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/20/2015 10:10:00 AM	Specific Conductance	n/a	=	1688	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/20/2015 10:10:00 AM	Temperature	n/a	=	18.9	°C	Field Meter	-88	0.1	Field Crew	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/26/2015 11:01:00 AM	Total Organic Carbon	n/a	=	4.6	mg/L	SM 5310 C	0.018	0.6	WKL	D
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	8/20/2015 10:10:00 AM	Turbidity	n/a	=	12	NTU	Field Meter	-88	0.01	Field Crew	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	9/2/2015 1:40:00 PM	Copper	Dissolved	DNQ	0.26	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	9/2/2015 1:40:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-OJA6	2015-DRY	Dry	8/20/2015 10:10:00 AM	9/2/2015 1:40:00 PM	Zinc	Dissolved	DNQ	1.6	µg/L	EPA 200.8	0.94	5	WKL	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/20/2015 9:27:31 AM	E. Coli	n/a	=	2359	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/20/2015 9:27:31 AM	Total Coliform	n/a	=	119800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/26/2015 3:53:00 PM	Calcium	Total	=	104	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/26/2015 3:53:00 PM	Magnesium	Total	=	49.8	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/19/2015 9:20:00 AM	Conductivity	n/a	=	852	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/19/2015 9:20:00 AM	Discharge	n/a	=	0.01	cfs	Field Estimate	-88	-88	Field Crew	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/19/2015 9:20:00 AM	DO	n/a	=	109.4	%	Field Meter	-88	0.1	Field Crew	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/19/2015 9:20:00 AM	DO	n/a	=	9.64	mg/L	Field Meter	-88	0.3	Field Crew	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/26/2015 3:53:00 PM	Hardness as CaCO3	Total	=	464	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/19/2015 9:20:00 AM	pH	n/a	=	9.22	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/19/2015 9:20:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/19/2015 9:20:00 AM	Specific Conductance	n/a	=	921	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/19/2015 9:20:00 AM	Temperature	n/a	=	20.7	°C	Field Meter	-88	0.1	Field Crew	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/26/2015 11:01:00 AM	Total Organic Carbon	n/a	=	4.8	mg/L	SM 5310 C	0.009	0.3	WKL	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	8/19/2015 9:20:00 AM	Turbidity	n/a	=	2.27	NTU	Field Meter	-88	0.01	Field Crew	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	9/2/2015 1:53:00 PM	Copper	Dissolved	=	1.4	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	9/2/2015 1:53:00 PM	Lead	Dissolved	DNQ	0.073	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-SPA2	2015-DRY	Dry	8/19/2015 9:20:00 AM	9/2/2015 1:53:00 PM	Zinc	Dissolved	DNQ	3.1	µg/L	EPA 200.8	0.94	5	WKL	
DRY-UN4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/20/2015 9:30:55 AM	E. Coli	n/a	=	488	MPN/100 mL	MMO-MUG	10	10	VCHCA	
DRY-UN4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/20/2015 9:30:55 AM	Total Coliform	n/a	=	160700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
DRY-UN4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/26/2015 4:01:00 PM	Calcium	Total	=	61	mg/L	EPA 200.7	0.016	0.1	WKL	
DRY-UN4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/26/2015 4:01:00 PM	Magnesium	Total	=	53.2	mg/L	EPA 200.7	0.012	0.1	WKL	
DRY-UN4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/19/2015 1:10:00 PM	Conductivity	n/a	=	1020	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-UN4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/19/2015 1:10:00 PM	Discharge	n/a	<	0.01	cfs	Field Estimate	-88	-88	Field Crew	
DRY-UN4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/19/2015 1:10:00 PM	DO	n/a	=	11.87	mg/L	Field Meter	-88	0.3	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
DRY-UNI4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/19/2015 1:10:00 PM	DO	n/a	=	138.1	%	Field Meter	-88	0.1	Field Crew	
DRY-UNI4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/26/2015 4:01:00 PM	Hardness as CaCO3	Total	=	372	mg/L	EPA 200.7	0.0894	0.662	WKL	
DRY-UNI4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/19/2015 1:10:00 PM	pH	n/a	=	9.02	pH Units	Field Meter	-88	0.01	Field Crew	
DRY-UNI4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/19/2015 1:10:00 PM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
DRY-UNI4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/19/2015 1:10:00 PM	Specific Conductance	n/a	=	1071	µmhos/cm	Field Meter	-88	1	Field Crew	
DRY-UNI4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/19/2015 1:10:00 PM	Temperature	n/a	=	22.5	°C	Field Meter	-88	0.1	Field Crew	
DRY-UNI4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/26/2015 11:01:00 AM	Total Organic Carbon	n/a	=	16	mg/L	SM 5310 C	0.09	3	WKL	D
DRY-UNI4	2015-DRY	Dry	8/19/2015 1:10:00 PM	8/19/2015 1:10:00 PM	Turbidity	n/a	=	6.31	NTU	Field Meter	-88	0.01	Field Crew	
DRY-UNI4	2015-DRY	Dry	8/19/2015 1:10:00 PM	9/2/2015 2:06:00 PM	Copper	Dissolved	=	6.8	µg/L	EPA 200.8	0.13	0.5	WKL	
DRY-UNI4	2015-DRY	Dry	8/19/2015 1:10:00 PM	9/2/2015 2:06:00 PM	Lead	Dissolved	DNQ	0.058	µg/L	EPA 200.8	0.031	0.2	WKL	
DRY-UNI4	2015-DRY	Dry	8/19/2015 1:10:00 PM	9/2/2015 2:06:00 PM	Zinc	Dissolved	DNQ	3.8	µg/L	EPA 200.8	0.94	5	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	DCPA (Dacthal)	n/a	=	3.5	µg/L	EPA 515.3	0.07	0.1	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	Pentachlorophenol	n/a	=	2	µg/L	EPA 515.3	0.04	0.2	WKL	
C pipe at MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:32:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	DCPA (Dacthal)	n/a	=	0.73	µg/L	EPA 515.3	0.07	0.1	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	Pentachlorophenol	n/a	=	0.26	µg/L	EPA 515.3	0.04	0.2	WKL	
C pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:40:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
C Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
C Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
C Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	2,4-D	n/a	=	0.44	µg/L	EPA 515.3	0.07	0.4	WKL	
C Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
C Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
C Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
C Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
C Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
C Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	DCPA (Dacthal)	n/a	=	2.6	µg/L	EPA 515.3	0.07	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
CC Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
CC Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
CC Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
CC Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
CC Pipe at MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 8:14:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 11:15:00 PM	E. Coli	n/a	=	1467	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/2/2014 6:40:00 AM	Enterococcus	n/a	=	1782	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/4/2014 9:00:00 AM	Fecal Coliform	n/a	=	130000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 11:15:00 PM	Total Coliform	n/a	=	14500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 1:20:00 AM	Conductivity	n/a	=	1455	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 4:28:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 1:20:00 AM	DO	n/a	=	5.94	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 1:20:00 AM	DO	n/a	=	64.1	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 1:20:00 AM	pH	n/a	=	7.48	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 1:20:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 1:20:00 AM	Specific Conductance	n/a	=	1670	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 1:20:00 AM	Temperature	n/a	=	18.4	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/7/2014 4:22:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 4:44:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/5/2014 12:16:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/5/2014 12:16:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 10:38:00 PM	Chloride	n/a	=	150	mg/L	EPA 300.0	0.25	1.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 10:38:00 PM	Fluoride	n/a	=	0.36	mg/L	EPA 300.0	0.05	0.25	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 12:08:00 AM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 11:15:00 AM	Calcium	Total	=	77.1	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 11:15:00 AM	Magnesium	Total	=	43.7	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 2:51:00 PM	Alkalinity as CaCO3	n/a	=	290	mg/L	SM 2320 B	0.56	10	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	14	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	310	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 11:15:00 AM	Hardness as CaCO3	Total	=	372	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/2/2014 4:09:00 PM	MBAS	n/a	DNQ	0.038	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/4/2014 2:40:00 PM	Phenolics	n/a	=	0.033	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 1:08:00 PM	Specific Conductance	n/a	=	1100	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/2/2014 5:26:00 PM	Total Chlorine Residual	n/a	DNQ	0.4	mg/L	SM 4500-Cl G	0.015	0.5	WKL	EST-HT
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	700	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	28	mg/L	SM 5310 C	0.09	3	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	730	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	370	NTU	EPA 180.1	0.024	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	=	110	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/11/2014 1:33:00 PM	Diesel Range Organics	n/a	=	0.62	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/11/2014 1:33:00 PM	Oil Range Organics	n/a	=	0.5	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Aluminum	Dissolved	=	16	µg/L	EPA 200.8	2.1	5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 3:11:00 PM	Aluminum	Total	=	21000	µg/L	EPA 200.8	21	50	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Antimony	Dissolved	=	0.67	µg/L	EPA 200.8	0.034	0.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Antimony	Total	=	0.81	µg/L	EPA 200.8	0.034	0.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Arsenic	Dissolved	=	4.4	µg/L	EPA 200.8	0.13	0.4	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Arsenic	Total	=	9.8	µg/L	EPA 200.8	0.13	0.4	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Barium	Total	=	220	µg/L	EPA 200.8	0.097	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Beryllium	Total	=	0.74	µg/L	EPA 200.8	0.015	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Cadmium	Dissolved	=	0.21	µg/L	EPA 200.8	0.017	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Cadmium	Total	=	1.6	µg/L	EPA 200.8	0.017	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Chromium	Dissolved	=	0.4	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Chromium	Total	=	53	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/4/2014 4:46:00 PM	Chromium VI	n/a	DNQ	0.082	µg/L	EPA 218.6	0.0048	0.3	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Copper	Dissolved	=	5.8	µg/L	EPA 200.8	0.036	0.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Copper	Total	=	47	µg/L	EPA 200.8	0.036	0.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 10:52:00 AM	Iron	Dissolved	=	78	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 11:15:00 AM	Iron	Total	=	27000	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Lead	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Lead	Total	=	23	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 6:38:00 PM	Mercury	Dissolved	DNQ	4	ng/L	EPA 245.1	3.9	50	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 6:38:00 PM	Mercury	Total	DNQ	40	ng/L	EPA 245.1	3.9	50	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Nickel	Dissolved	=	7.2	µg/L	EPA 200.8	0.091	0.8	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Nickel	Total	=	52	µg/L	EPA 200.8	0.091	0.8	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Selenium	Dissolved	=	0.98	µg/L	EPA 200.8	0.081	0.4	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Selenium	Total	=	1.9	µg/L	EPA 200.8	0.081	0.4	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Silver	Dissolved	DNQ	0.033	µg/L	EPA 200.8	0.012	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Silver	Total	DNQ	0.15	µg/L	EPA 200.8	0.012	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Thallium	Total	=	0.23	µg/L	EPA 200.8	0.034	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:44:00 AM	Zinc	Dissolved	=	15	µg/L	EPA 200.8	0.5	5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:48:00 AM	Zinc	Total	=	170	µg/L	EPA 200.8	0.5	5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	0.83	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/2/2014 7:43:00 PM	Nitrate + Nitrite as N	n/a	=	6.3	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/2/2014 7:43:00 PM	Nitrate as N	n/a	=	6.2	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/14/2014 5:05:00 PM	Phosphorus as P	Dissolved	=	3.2	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 7:46:00 PM	Phosphorus as P	Total	=	3.8	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 5:27:00 PM	TKN	n/a	=	6.5	mg/L	EPA 351.2	0.2	0.4	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Benzo(b)anthracene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/7/2014 8:31:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	4,4'-DDE	n/a	DNQ	0.032	µg/L	EPA 608	0.012	0.25	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Chlorpyrifos	n/a	=	0.017	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	DCPA (Dacthal)	n/a	=	2.2	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Diazinon	n/a	=	0.095	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Dimethoate	n/a	DNQ	0.0081	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 5:18:00 PM	Glyphosate	n/a	=	54	µg/L	EPA 547	9	25	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Malathion	n/a	=	0.24	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/10/2014 11:46:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/12/2014 9:27:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/13/2014 2:41:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Prometryn	n/a	=	12	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Ronnell (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 3:11:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/5/2014 7:49:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/20/2014 11:27:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2014/15-1	Wet	11/1/2014 11:27:00 AM	11/6/2014 3:49:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	6867	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/13/2014 6:30:00 AM	Enterococcus	n/a	=	18100	MPN/100 mL	Enterolert	1000	1000	VCHCA	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/14/2014 10:00:00 AM	Fecal Coliform	n/a	=	540000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	1299700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/12/2014 3:25:00 AM	Conductivity	n/a	=	471	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/19/2014 9:01:00 PM	Cyanide	Total	=	0.0054	mg/L	ASTM D7511	0.001	0.004	WKL	D
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/12/2014 3:25:00 AM	DO	n/a	=	84	%	Field Meter	-88	0.1	Field Crew	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/12/2014 3:25:00 AM	DO	n/a	=	8.45	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/12/2014 3:25:00 AM	pH	n/a	=	7.52	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/12/2014 3:25:00 AM	Salinity	n/a	=	300	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/12/2014 3:25:00 AM	Specific Conductance	n/a	=	579	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/12/2014 3:25:00 AM	Temperature	n/a	=	14.9	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/17/2014 2:09:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/19/2014 9:04:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 3:25:00 AM	12/19/2014 9:04:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/13/2014 10:02:00 AM	Chloride	n/a	=	39	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/13/2014 10:02:00 AM	Fluoride	n/a	=	0.13	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/13/2014 3:05:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 8:05:00 PM	Calcium	Total	=	78.8	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 8:05:00 PM	Magnesium	Total	=	60.4	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:15:00 PM	Alkalinity as CaCO3	n/a	=	74	mg/L	SM 2320 B	0.56	10	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/18/2014 11:10:00 AM	BOD	n/a	=	6.1	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:28:00 PM	COD	n/a	=	380	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 8:05:00 PM	Hardness as CaCO3	Total	=	446	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/12/2014 9:34:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 10:58:00 AM	Phenolics	n/a	=	0.041	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 5:41:00 PM	Specific Conductance	n/a	=	420	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/12/2014 11:12:00 PM	Total Chlorine Residual	n/a	=	0.61	mg/L	SM 4500-Cl G	0.015	0.5	WKL	EST-HT

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/17/2014 9:20:00 AM	Total Dissolved Solids	n/a	=	380	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 9:35:00 AM	Total Organic Carbon	n/a	=	1.4	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/18/2014 12:42:00 PM	Total Suspended Solids	n/a	=	820	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/12/2014 9:18:00 PM	Turbidity	n/a	=	840	NTU	EPA 180.1	0.024	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/18/2014 12:42:00 PM	Volatile Suspended Solids	n/a	=	130	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/18/2014 6:45:00 AM	Diesel Range Organics	n/a	=	0.1	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/18/2014 6:45:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Aluminum	Dissolved	=	25	μg/L	EPA 200.8	2.1	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 10:36:00 PM	Aluminum	Total	=	81000	μg/L	EPA 200.8	21	50	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Antimony	Dissolved	DNQ	0.42	μg/L	EPA 200.8	0.034	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 1:23:00 AM	Antimony	Total	DNQ	0.16	μg/L	EPA 200.8	0.034	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Arsenic	Dissolved	=	3.1	μg/L	EPA 200.8	0.13	0.4	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 1:23:00 AM	Arsenic	Total	=	16	μg/L	EPA 200.8	0.13	0.4	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 11:33:00 AM	Barium	Total	=	600	μg/L	EPA 200.8	0.097	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Beryllium	Dissolved	DNQ	0.04	μg/L	EPA 200.8	0.015	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 1:23:00 AM	Beryllium	Total	=	3.4	μg/L	EPA 200.8	0.015	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Cadmium	Dissolved	=	0.16	μg/L	EPA 200.8	0.017	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 1:23:00 AM	Cadmium	Total	=	4.8	μg/L	EPA 200.8	0.017	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Chromium	Dissolved	=	0.34	μg/L	EPA 200.8	0.024	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 10:36:00 PM	Chromium	Total	=	270	μg/L	EPA 200.8	0.24	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:59:00 AM	Chromium VI	n/a	=	0.12	μg/L	EPA 218.6	0.0048	0.02	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Copper	Dissolved	=	3.3	μg/L	EPA 200.8	0.036	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 10:36:00 PM	Copper	Total	=	140	μg/L	EPA 200.8	0.36	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 8:03:00 PM	Iron	Dissolved	=	34	μg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 8:05:00 PM	Iron	Total	=	120000	μg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Lead	Dissolved	DNQ	0.06	μg/L	EPA 200.8	0.024	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 1:23:00 AM	Lead	Total	=	70	μg/L	EPA 200.8	0.024	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 5:17:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 5:17:00 PM	Mercury	Total	=	240	ng/L	EPA 245.1	7.8	100	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Nickel	Dissolved	=	3.7	μg/L	EPA 200.8	0.091	0.8	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 10:36:00 PM	Nickel	Total	=	230	μg/L	EPA 200.8	0.91	8	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Selenium	Dissolved	=	0.85	μg/L	EPA 200.8	0.081	0.4	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 1:23:00 AM	Selenium	Total	=	2	μg/L	EPA 200.8	0.081	0.4	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Silver	Dissolved	=	0.2	μg/L	EPA 200.8	0.012	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 1:23:00 AM	Silver	Total	=	0.35	μg/L	EPA 200.8	0.012	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Thallium	Dissolved	<	0.034	μg/L	EPA 200.8	0.034	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 1:23:00 AM	Thallium	Total	=	0.82	μg/L	EPA 200.8	0.034	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/6/2015 11:33:00 PM	Zinc	Dissolved	DNQ	4.6	μg/L	EPA 200.8	0.5	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 1:23:00 AM	Zinc	Total	=	440	μg/L	EPA 200.8	0.5	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:22:00 PM	Ammonia as N	n/a	=	0.4	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/13/2014 2:14:00 PM	Nitrate + Nitrite as N	n/a	=	2.6	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/13/2014 2:14:00 PM	Nitrate as N	n/a	=	2.5	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/2/2015 4:54:00 PM	Phosphorus as P	Dissolved	=	4.4	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/30/2014 6:38:00 PM	Phosphorus as P	Total	=	7	mg/L	EPA 365.1	0.07	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 3:01:00 PM	TKN	n/a	=	11	mg/L	EPA 351.2	0.5	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	μg/L	EPA 625	0.55	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	μg/L	EPA 625	0.57	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	μg/L	EPA 625	0.25	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 3:57:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:56:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:56:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:56:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:56:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:56:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	4,4'-DDE	n/a	DNQ	0.011	µg/L	EPA 608	0.0025	0.05	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:56:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:56:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Chlorpyrifos	n/a	=	0.066	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:56:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:56:00 AM	DCCA (Dacthal)	n/a	=	3.6	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Diazinon	n/a	DNQ	0.0086	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:56:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:56:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Dimethoate	n/a	=	0.044	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 1:56:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/15/2014 5:59:00 PM	Glyphosate	n/a	=	7.8	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Malathion	n/a	=	0.035	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 11:30:00 AM	Pentachlorophenol	n/a	DNQ	0.073	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:36:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 6:40:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 11:56:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Prometryn	n/a	=	0.14	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Simazine	n/a	=	0.17	µg/L	EPA 525.2	0.015	0.1	WKL	HB-LCSR
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/25/2014 1:47:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 3:18:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:57:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 8:37:00 PM	Chloride	n/a	=	230	mg/L	EPA 300.0	1	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 3:29:00 PM	Fluoride	n/a	=	0.45	mg/L	EPA 300.0	0.05	0.25	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/9/2015 11:58:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 9:00:00 AM	E. Coli	n/a	=	86	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 2:45:00 PM	Enterococcus	n/a	=	657	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/10/2015 12:00:00 PM	Fecal Coliform	n/a	=	8000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 9:00:00 AM	Total Coliform	n/a	=	410	MPN/100 mL	MMO-MUG	100	100	VCHCA	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/13/2015 4:52:00 PM	Calcium	Total	=	87.3	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/13/2015 4:52:00 PM	Magnesium	Total	=	50.5	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 2:35:00 PM	Alkalinity as CaCO3	n/a	=	250	mg/L	SM 2320 B	0.56	10	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/13/2015 2:40:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/10/2015 11:02:00 AM	COD	n/a	=	13	mg/L	EPA 410.4	0.73	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/7/2015 11:15:00 AM	Conductivity	n/a	=	1607	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/9/2015 4:39:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/7/2015 11:15:00 AM	DO	n/a	=	81.7	%	Field Meter	-88	0.1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/7/2015 11:15:00 AM	DO	n/a	=	7.09	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/13/2015 4:52:00 PM	Hardness as CaCO3	Total	=	426	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 7:04:00 PM	MBAS	n/a	=	0.054	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/7/2015 11:15:00 AM	pH	n/a	=	7.95	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/13/2015 10:29:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/7/2015 11:15:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 10:04:00 AM	Specific Conductance	n/a	=	1700	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/7/2015 11:15:00 AM	Specific Conductance	n/a	=	1706	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/7/2015 11:15:00 AM	Temperature	n/a	=	22	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/7/2015 4:17:00 PM	Total Chlorine Residual	n/a	DNQ	0.042	mg/L	SM 4500-Cl G	0.0015	0.05	WKL	EST-HT
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 3:10:00 PM	Total Dissolved Solids	n/a	=	1000	mg/L	SM 2540 C	4	10	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 8:55:00 AM	Total Organic Carbon	n/a	=	5	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/13/2015 12:11:00 PM	Total Suspended Solids	n/a	DNQ	1	mg/L	SM 2540 D	-88	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 5:19:00 PM	Turbidity	n/a	=	1.2	NTU	EPA 180.1	0.024	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/13/2015 12:11:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 12:23:00 PM	Diesel Range Organics	n/a	=	0.11	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/13/2015 6:15:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/10/2015 4:43:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 12:23:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Aluminum	Dissolved	DNQ	3	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Aluminum	Total	=	120	µg/L	EPA 200.8	1.3	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Antimony	Dissolved	DNQ	0.38	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Antimony	Total	DNQ	0.4	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Arsenic	Dissolved	=	3.6	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Arsenic	Total	=	3.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Barium	Total	=	35	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Cadmium	Dissolved	=	0.17	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Cadmium	Total	=	0.18	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Chromium	Dissolved	DNQ	0.17	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Chromium	Total	=	0.47	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 1:18:00 PM	Chromium VI	n/a	=	0.16	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Copper	Dissolved	=	3.9	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Copper	Total	=	4.2	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/13/2015 4:40:00 PM	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/13/2015 4:52:00 PM	Iron	Total	=	170	µg/L	EPA 200.7	1.1	10	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Lead	Total	DNQ	0.13	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/20/2015 3:49:00 PM	Mercury	Dissolved	DNQ	15	ng/L	EPA 245.1	3.9	50	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/20/2015 3:49:00 PM	Mercury	Total	DNQ	15	ng/L	EPA 245.1	3.9	50	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Nickel	Dissolved	=	5.5	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Nickel	Total	=	5.6	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Selenium	Dissolved	=	0.55	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Selenium	Total	=	0.51	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Thallium	Dissolved	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 2:29:00 PM	Zinc	Dissolved	=	16	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/12/2015 3:32:00 PM	Zinc	Total	=	15	µg/L	EPA 200.8	0.94	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 11:59:00 AM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 3:07:00 PM	Nitrate + Nitrite as N	n/a	=	6.7	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 3:07:00 PM	Nitrate as N	n/a	=	6.6	mg/L	EPA 353.2	0.041	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/10/2015 11:44:00 AM	Phosphorus as P	Dissolved	=	2.5	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/10/2015 11:20:00 AM	Phosphorus as P	Total	=	2.6	mg/L	EPA 365.1	0.035	0.25	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/20/2015 4:01:00 PM	TKN	n/a	=	0.15	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 6:23:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	7.3	µg/L	EPA 525.2	1.1	3	WKL	LCSRPD, HB-L
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Butyl phthalate	n/a	DNQ	0.31	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Diethyl phthalate	n/a	DNQ	0.26	µg/L	EPA 625	0.15	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/8/2015 6:23:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/15/2015 4:03:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	DCPA (Dacthal)	n/a	=	1.5	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Disulfoton	n/a	DNQ	0.04	µg/L	EPA 525.2	0.031	0.1	WKL	LB-LCSR
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/13/2015 4:30:00 PM	Glyphosate	n/a	DNQ	2.3	µg/L	EPA 547	1.8	5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 6:06:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/16/2015 8:44:00 PM	Pentachlorophenol	n/a	DNQ	0.61	µg/L	EPA 8270Cm	0.15	1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/11/2015 7:11:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Prometryn	n/a	DNQ	0.09	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/18/2015 1:37:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/21/2015 2:51:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:15:00 AM	7/14/2015 7:31:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-CC	2014/15-6	Dry	7/7/2015 11:16:00 AM	8/4/2015 12:38:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	EST-HT

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	4/15/2015 10:45:00 AM	Conductivity	n/a	=	1437	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	4/15/2015 10:45:00 AM	Discharge	n/a	=	5	cfs	Field Meter	-88	-88	Field Crew	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	4/15/2015 10:45:00 AM	DO	n/a	=	116.4	%	Field Meter	-88	0.1	Field Crew	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	4/15/2015 10:45:00 AM	DO	n/a	=	11.22	mg/L	Field Meter	-88	0.3	Field Crew	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	4/15/2015 10:45:00 AM	pH	n/a	=	8.1	pH Units	Field Meter	-88	0.01	Field Crew	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	4/15/2015 10:45:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	4/15/2015 10:45:00 AM	Specific Conductance	n/a	=	1701	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	4/15/2015 10:45:00 AM	Temperature	n/a	=	16.9	°C	Field Meter	-88	0.1	Field Crew	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	4/27/2015 3:58:00 PM	Total Organic Carbon	n/a	=	12300	mg/Kg dw	EPA 9060	36	200	WKL	EST-FD
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	4/15/2015 10:45:00 AM	Turbidity	n/a	=	6.88	NTU	Field Meter	-88	0.01	Field Crew	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Dichloran	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Pendimethalin	n/a	=	3.8	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	EST-FD
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Allethrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Bifenthrin	n/a	=	3.3	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	EST-FD
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Cyfluthrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	LB-LCSR
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Cypermethrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Deltamethrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	LB-LCSR
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Esfenvalerate	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Fenprothrin (Danitol)	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Fenvalerate	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	lambda-Cyhalothrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	LB-LCSR
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Permethrin	n/a	=	3.3	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	EST-FD
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Phenothrin (Sumithrin)	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Prallethrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Tefluthrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	
ME-CC	PS-2015	Dry	4/15/2015 10:45:00 AM	5/8/2015 12:17:00 PM	Tralomethrin	n/a	<	0.93	ng/g dw	rthrdGCMS-SI	0.93	0.93	WKL	LB-LCSR
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	912	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/13/2014 6:30:00 AM	Enterococcus	n/a	=	8400	MPN/100 mL	Enterolert	1000	1000	VCHCA	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/16/2014 9:00:00 AM	Fecal Coliform	n/a	=	110000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	60200	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/12/2014 2:40:00 AM	Conductivity	n/a	=	62.7	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/19/2014 9:01:00 PM	Cyanide	Total	=	0.022	mg/L	ASTM D7511	0.001	0.004	WKL	D
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/12/2014 2:40:00 AM	DO	n/a	=	6.51	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/12/2014 2:40:00 AM	DO	n/a	=	83.6	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/12/2014 2:40:00 AM	pH	n/a	=	7.69	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/12/2014 2:40:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/12/2014 2:40:00 AM	Specific Conductance	n/a	=	74.2	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/12/2014 2:40:00 AM	Temperature	n/a	=	18.9	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/17/2014 2:39:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/19/2014 9:34:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 2:40:00 AM	12/19/2014 9:34:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/13/2014 10:28:00 AM	Chloride	n/a	=	67	mg/L	EPA 300.0	0.1	0.5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/13/2014 10:28:00 AM	Fluoride	n/a	=	0.25	mg/L	EPA 300.0	0.02	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/13/2014 3:24:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/29/2014 8:11:00 PM	Calcium	Total	=	433	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/29/2014 8:11:00 PM	Magnesium	Total	=	302	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/19/2014 6:28:00 PM	COD	n/a	=	1900	mg/L	EPA 410.4	3.6	25	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/29/2014 8:11:00 PM	Hardness as CaCO3	Total	=	2330	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/12/2014 9:34:00 PM	MBAS	n/a	<	0.076	mg/L	SM 5540 C	0.076	0.2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/17/2014 9:20:00 AM	Total Dissolved Solids	n/a	=	1700	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/22/2014 7:50:00 AM	Total Organic Carbon	n/a	=	450	mg/L	SM 5310 C	1.8	60	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/17/2014 8:45:00 PM	Total Suspended Solids	n/a	=	40000	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/18/2014 7:15:00 PM	Diesel Range Organics	n/a	=	0.12	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/18/2014 7:15:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Aluminum	Dissolved	DNQ	2.2	μg/L	EPA 200.8	2.1	5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 10:41:00 PM	Aluminum	Total	=	340000	μg/L	EPA 200.8	84	200	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Antimony	Dissolved	DNQ	0.2	μg/L	EPA 200.8	0.034	0.5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 1:30:00 AM	Antimony	Total	DNQ	0.1	μg/L	EPA 200.8	0.034	0.5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Arsenic	Dissolved	=	0.88	μg/L	EPA 200.8	0.13	0.4	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 1:30:00 AM	Arsenic	Total	=	40	μg/L	EPA 200.8	0.13	0.4	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 1:30:00 AM	Barium	Total	=	1500	μg/L	EPA 200.8	0.097	0.5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Beryllium	Dissolved	<	0.015	μg/L	EPA 200.8	0.015	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 10:41:00 PM	Beryllium	Total	=	25	μg/L	EPA 200.8	0.6	4	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Cadmium	Dissolved	DNQ	0.08	μg/L	EPA 200.8	0.017	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 1:30:00 AM	Cadmium	Total	=	22	μg/L	EPA 200.8	0.017	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Chromium	Dissolved	DNQ	0.07	μg/L	EPA 200.8	0.024	0.2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 10:41:00 PM	Chromium	Total	=	580	μg/L	EPA 200.8	0.96	8	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/26/2014 11:11:00 AM	Chromium VI	n/a	=	0.11	μg/L	EPA 218.6	0.0048	0.02	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Copper	Dissolved	=	9	μg/L	EPA 200.8	0.036	0.5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 10:41:00 PM	Copper	Total	=	860	μg/L	EPA 200.8	1.4	20	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/29/2014 8:08:00 PM	Iron	Dissolved	DNQ	8.9	μg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/30/2014 6:51:00 PM	Iron	Total	=	660000	μg/L	EPA 200.7	5.5	50	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Lead	Dissolved	<	0.024	μg/L	EPA 200.8	0.024	0.2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 1:30:00 AM	Lead	Total	=	340	μg/L	EPA 200.8	0.024	0.2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/23/2014 4:07:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/23/2014 4:07:00 PM	Mercury	Total	=	1200	ng/L	EPA 245.1	7.8	100	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Nickel	Dissolved	=	4.5	μg/L	EPA 200.8	0.091	0.8	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 10:41:00 PM	Nickel	Total	=	870	μg/L	EPA 200.8	3.6	32	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Selenium	Dissolved	=	5.7	μg/L	EPA 200.8	0.081	0.4	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 1:30:00 AM	Selenium	Total	=	9.4	μg/L	EPA 200.8	0.081	0.4	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Silver	Dissolved	DNQ	0.06	μg/L	EPA 200.8	0.012	0.2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 1:30:00 AM	Silver	Total	=	2.4	μg/L	EPA 200.8	0.012	0.2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Thallium	Dissolved	<	0.034	μg/L	EPA 200.8	0.034	0.2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 1:30:00 AM	Thallium	Total	=	5.9	μg/L	EPA 200.8	0.034	0.2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/6/2015 11:41:00 PM	Zinc	Dissolved	DNQ	1.6	μg/L	EPA 200.8	0.5	5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/7/2015 1:30:00 AM	Zinc	Total	=	2400	μg/L	EPA 200.8	0.5	5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/19/2014 4:22:00 PM	Ammonia as N	n/a	=	1	mg/L	EPA 350.1	0.19	0.4	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/17/2014 3:54:00 PM	Nitrate + Nitrite as N	n/a	=	8.9	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	1/2/2015 4:59:00 PM	Phosphorus as P	Dissolved	=	11	mg/L	EPA 365.1	0.14	1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/30/2014 6:39:00 PM	Phosphorus as P	Total	=	32	mg/L	EPA 365.1	0.35	2.5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/30/2014 7:02:00 PM	TKN	n/a	=	39	mg/L	EPA 351.2	0.5	1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Benzo(a)pyrene	n/a	<	0.07	μg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	μg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.3	μg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Alachlor	n/a	<	0.022	μg/L	EPA 525.2	0.022	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/15/2014 5:59:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2014/15-3	Wet	12/12/2014 10:22:00 AM	12/24/2014 1:21:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2014/15-4	Wet	4/7/2015 5:40:00 PM	4/8/2015 1:00:00 PM	E. Coli	n/a	=	187	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2014/15-4	Wet	4/7/2015 5:40:00 PM	4/8/2015 1:00:00 PM	Enterococcus	n/a	=	20	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-SCR	2014/15-4	Wet	4/7/2015 5:40:00 PM	4/10/2015 8:00:00 PM	Fecal Coliform	n/a	>	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2014/15-4	Wet	4/7/2015 5:40:00 PM	4/8/2015 1:00:00 PM	Total Coliform	n/a	=	5172	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/19/2015 2:22:00 PM	Chloride	n/a	=	120	mg/L	EPA 300.0	0.2	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/19/2015 2:22:00 PM	Fluoride	n/a	=	0.4	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/19/2015 3:49:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/26/2015 12:31:00 PM	Calcium	Total	=	187	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/26/2015 12:31:00 PM	Magnesium	Total	=	94	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/22/2015 11:03:00 AM	Alkalinity as CaCO3	n/a	=	200	mg/L	SM 2320 B	0.56	2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/20/2015 6:20:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/20/2015 4:34:00 PM	COD	n/a	=	11	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/26/2015 12:31:00 PM	Hardness as CaCO3	Total	=	854	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/15/2015 8:59:00 PM	MBAS	n/a	=	0.088	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/26/2015 10:49:00 AM	Phenolics	n/a	=	0.028	mg/L	EPA 420.4	0.0042	0.01	WKL	LB-MSR
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/26/2015 11:19:00 AM	Specific Conductance	n/a	=	2300	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/19/2015 11:15:00 AM	Total Dissolved Solids	n/a	=	1600	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 3:51:00 PM	Total Organic Carbon	n/a	=	5.9	mg/L	SM 5310 C	0.036	1.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/20/2015 1:31:00 PM	Total Suspended Solids	n/a	=	5	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/16/2015 2:58:00 PM	Turbidity	n/a	=	3.9	NTU	EPA 180.1	0.024	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/20/2015 1:31:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Aluminum	Dissolved	DNQ	1.7	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Aluminum	Total	=	87	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Antimony	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Antimony	Total	DNQ	0.15	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Arsenic	Dissolved	=	0.8	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Arsenic	Total	=	0.88	µg/L	EPA 200.8	0.074	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Barium	Total	=	34	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Chromium	Total	DNQ	0.16	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/20/2015 3:42:00 PM	Chromium VI	n/a	=	0.15	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Copper	Dissolved	=	0.99	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Copper	Total	=	1.1	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/26/2015 11:59:00 AM	Iron	Dissolved	DNQ	5.6	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/26/2015 12:31:00 PM	Iron	Total	=	200	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Lead	Total	DNQ	0.072	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/21/2015 6:05:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/21/2015 6:05:00 PM	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Nickel	Dissolved	=	2.5	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Nickel	Total	=	2.7	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Selenium	Dissolved	=	3.1	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Selenium	Total	=	3	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:01:00 PM	Zinc	Dissolved	DNQ	1.3	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/27/2015 2:06:00 PM	Zinc	Total	DNQ	1.2	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/18/2015 4:34:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/18/2015 11:24:00 AM	Nitrate + Nitrite as N	n/a	=	0.29	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/28/2015 12:00:00 PM	Phosphorus as P	Dissolved	DNQ	0.0051	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/28/2015 11:08:00 AM	Phosphorus as P	Total	=	0.025	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/22/2015 4:20:00 PM	TKN	n/a	=	0.41	mg/L	EPA 351.2	0.05	0.1	WKL	MSRPD, HB-N
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Diethyl phthalate	n/a	DNQ	0.33	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/1/2015 11:17:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Azinphos methyl	n/a	DNQ	0.0065	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	DACP (Dacthal)	n/a	DNQ	0.075	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Disulfoton	n/a	DNQ	0.08	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/18/2015 11:19:00 AM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/6/2015 12:15:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/3/2015 1:39:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/29/2015 8:20:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 6:27:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/4/2015 11:41:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	6/13/2015 9:00:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:35:00 AM	5/30/2015 9:00:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:45:00 AM	5/15/2015 9:45:00 AM	Conductivity	n/a	=	1733	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2014/15-5	Wet	5/15/2015 9:45:00 AM	5/20/2015 4:01:00 PM	Cyanide	Total	<	0.00048	mg/L	ASTM D7511	0.00048	0.002	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:45:00 AM	5/15/2015 9:45:00 AM	DO	n/a	=	91.1	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2014/15-5	Wet	5/15/2015 9:45:00 AM	5/15/2015 9:45:00 AM	DO	n/a	=	8.76	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2014/15-5	Wet	5/15/2015 9:45:00 AM	5/15/2015 9:45:00 AM	pH	n/a	=	7.35	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2014/15-5	Wet	5/15/2015 9:45:00 AM	5/15/2015 9:45:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2014/15-5	Wet	5/15/2015 9:45:00 AM	5/15/2015 9:45:00 AM	Specific Conductance	n/a	=	2086	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2014/15-5	Wet	5/15/2015 9:45:00 AM	5/15/2015 9:45:00 AM	Temperature	n/a	=	17.6	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2014/15-5	Wet	5/15/2015 9:45:00 AM	5/20/2015 3:54:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:45:00 AM	5/26/2015 5:58:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:45:00 AM	5/18/2015 8:55:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2014/15-5	Wet	5/15/2015 9:45:00 AM	5/18/2015 8:55:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 1:08:00 PM	Chloride	n/a	=	130	mg/L	EPA 300.0	0.2	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 1:08:00 PM	Fluoride	n/a	=	0.6	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/6/2015 1:05:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 8:30:00 AM	E. Coli	n/a	=	73	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 2:35:00 PM	Enterococcus	n/a	=	31	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/3/2015 11:55:00 AM	Fecal Coliform	n/a	=	13000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 8:30:00 AM	Total Coliform	n/a	=	3448	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 1:36:00 PM	Calcium	Total	=	206	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 1:36:00 PM	Magnesium	Total	=	106	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 2:35:00 PM	Alkalinity as CaCO3	n/a	=	220	mg/L	SM 2320 B	0.56	10	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:40:00 PM	BOD	n/a	=	2.7	mg/L	SM 5210 B	2	2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 8:23:00 AM	COD	n/a	=	17	mg/L	EPA 410.4	0.73	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/1/2015 11:30:00 AM	Conductivity	n/a	=	2450	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 10:26:00 AM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/1/2015 11:30:00 AM	DO	n/a	=	91.6	%	Field Meter	-88	0.1	Field Crew	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/1/2015 11:30:00 AM	DO	n/a	=	7.54	mg/L	Field Meter	-88	0.3	Field Crew	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 1:36:00 PM	Hardness as CaCO3	Total	=	950	mg/L	EPA 200.7	0.0894	0.662	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 5:36:00 PM	MBAS	n/a	DNQ	0.026	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/1/2015 11:30:00 AM	pH	n/a	=	7.74	pH Units	Field Meter	-88	0.01	Field Crew	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/13/2015 9:45:00 AM	Phenolics	n/a	=	0.02	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/1/2015 11:30:00 AM	Salinity	n/a	=	1300	mg/L	Field Meter	-88	100	Field Crew	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/1/2015 11:30:00 AM	Specific Conductance	n/a	=	2456	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 11:52:00 AM	Specific Conductance	n/a	=	2500	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/1/2015 11:30:00 AM	Temperature	n/a	=	24.9	°C	Field Meter	-88	0.1	Field Crew	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/6/2015 4:30:00 PM	Total Dissolved Solids	n/a	=	1800	mg/L	SM 2540 C	4	10	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/6/2015 1:56:00 PM	Total Organic Carbon	n/a	=	5.1	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 4:06:00 PM	Total Suspended Solids	n/a	=	68	mg/L	SM 2540 D	-88	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 5:04:00 PM	Turbidity	n/a	=	61	NTU	EPA 180.1	0.024	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 4:06:00 PM	Volatile Suspended Solids	n/a	=	10	mg/L	EPA 160.4	3.1	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/9/2015 3:51:00 PM	Diesel Range Organics	n/a	DNQ	0.039	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/6/2015 6:13:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/6/2015 4:33:00 PM	Oil and Grease	n/a	DNQ	3.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/9/2015 3:51:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Aluminum	Dissolved	DNQ	2.8	µg/L	EPA 200.8	1.3	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:38:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	26	100	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Antimony	Dissolved	DNQ	0.33	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Antimony	Total	DNQ	0.34	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Arsenic	Total	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Barium	Total	=	60	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Beryllium	Total	DNQ	0.04	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Cadmium	Total	DNQ	0.09	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Chromium	Total	=	1.9	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 11:31:00 AM	Chromium VI	n/a	=	0.13	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Copper	Dissolved	=	0.52	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Copper	Total	=	1.9	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 1:28:00 PM	Iron	Dissolved	=	20	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 1:36:00 PM	Iron	Total	=	1800	µg/L	EPA 200.7	1.1	10	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Lead	Total	=	0.9	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/13/2015 4:05:00 PM	Mercury	Dissolved	DNQ	10	ng/L	EPA 245.1	3.9	50	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/13/2015 4:05:00 PM	Mercury	Total	DNQ	15	ng/L	EPA 245.1	3.9	50	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Nickel	Dissolved	=	3.1	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Nickel	Total	=	4.6	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Selenium	Dissolved	=	1.8	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Selenium	Total	=	2	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Thallium	Dissolved	DNQ	0.02	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 2:28:00 PM	Zinc	Dissolved	DNQ	1.2	µg/L	EPA 200.8	0.94	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/7/2015 3:39:00 PM	Zinc	Total	=	5.4	µg/L	EPA 200.8	0.94	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 10:33:00 AM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 11:30:00 AM	Nitrate + Nitrite as N	n/a	DNQ	0.061	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 11:36:00 AM	Phosphorus as P	Dissolved	DNQ	0.008	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 11:16:00 AM	Phosphorus as P	Total	=	0.07	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/13/2015 2:39:00 PM	TKN	n/a	=	0.49	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/6/2015 9:27:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.7	µg/L	EPA 525.2	1.1	3	WKL	LCSRPD, HB-L
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.39	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Diethyl phthalate	n/a	DNQ	0.69	µg/L	EPA 625	0.15	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Dimethyl phthalate	n/a	DNQ	0.21	µg/L	EPA 625	0.18	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Di-n-butylphthalate	n/a	DNQ	0.29	µg/L	EPA 625	0.24	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/6/2015 9:27:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/15/2015 12:27:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:35:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	DCPA (Dacthal)	n/a	DNQ	0.081	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Dimethoate	n/a	=	0.012	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Fensulfothion	n/a	=	0.016	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/2/2015 2:03:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Naleed	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/10/2015 3:12:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/8/2015 12:12:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:03:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Prometryn	n/a	DNQ	0.09	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 8:42:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/14/2015 8:00:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-SCR	2014/15-6	Dry	7/1/2015 11:30:00 AM	7/11/2015 2:35:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014	11/1/2014 11:15:00 PM	E. Coli	n/a	=	1081	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2014/15-1	Wet	11/1/2014	11/2/2014 6:40:00 AM	Enterococcus	n/a	=	1130	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2014/15-1	Wet	11/3/2014 10:50:00 AM	11/3/2014 10:50:00 AM	Fecal Coliform	n/a	=	13000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2014/15-1	Wet	11/1/2014	11/1/2014 11:15:00 PM	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2014/15-1	Wet	11/1/2014	11/1/2014	Conductivity	n/a	=	1056	µmhos/cm	Field Meter	-88	1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-1	Wet	11/1/2014	11/6/2014 4:28:00 PM	Cyanide	Total	DNQ	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014	11/1/2014	DO	n/a	=	6.67	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2014/15-1	Wet	11/1/2014	11/1/2014	DO	n/a	=	68.2	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2014/15-1	Wet	11/1/2014	11/1/2014	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2014/15-1	Wet	11/1/2014	11/1/2014	Specific Conductance	n/a	=	1285	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2014/15-1	Wet	11/1/2014	11/1/2014	Temperature	n/a	=	15.9	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2014/15-1	Wet	11/1/2014	11/7/2014 4:52:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014	11/11/2014 4:44:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014	11/5/2014 12:47:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014	11/5/2014 12:47:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 10:38:00 PM	Chloride	n/a	=	130	mg/L	EPA 300.0	0.25	1.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 10:38:00 PM	Fluoride	n/a	=	0.47	mg/L	EPA 300.0	0.05	0.25	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 12:08:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 11:18:00 AM	Calcium	Total	=	131	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 11:18:00 AM	Magnesium	Total	=	37.7	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 2:51:00 PM	Alkalinity as CaCO3	n/a	=	150	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	9.8	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	37	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 11:18:00 AM	Hardness as CaCO3	Total	=	482	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/2/2014 4:09:00 PM	MBAS	n/a	=	0.064	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/2/2014 7:05:00 PM	pH	n/a	=	7.65	pH Units	SM 4500-H+ B	0.1	0.1	WKL	EST-HT
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/3/2014 4:44:00 PM	Phenolics	n/a	=	0.013	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 1:08:00 PM	Specific Conductance	n/a	=	1300	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/2/2014 5:26:00 PM	Total Chlorine Residual	n/a	DNQ	0.035	mg/L	SM 4500-Cl G	0.003	0.1	WKL	EST-HT
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	880	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	13	mg/L	SM 5310 C	0.09	3	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	21	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	24	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	DNQ	4	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 2:03:00 PM	Diesel Range Organics	n/a	=	0.15	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 2:03:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Aluminum	Dissolved	=	5.1	µg/L	EPA 200.8	2.1	5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Aluminum	Total	=	820	µg/L	EPA 200.8	2.1	5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Antimony	Dissolved	DNQ	0.28	µg/L	EPA 200.8	0.034	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Antimony	Total	DNQ	0.38	µg/L	EPA 200.8	0.034	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Arsenic	Dissolved	=	1.7	µg/L	EPA 200.8	0.13	0.4	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Arsenic	Total	=	2	µg/L	EPA 200.8	0.13	0.4	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Barium	Total	=	67	µg/L	EPA 200.8	0.097	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Beryllium	Total	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Cadmium	Dissolved	DNQ	0.074	µg/L	EPA 200.8	0.017	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Cadmium	Total	=	0.14	µg/L	EPA 200.8	0.017	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Chromium	Dissolved	DNQ	0.095	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Chromium	Total	=	1.6	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/4/2014 4:46:00 PM	Chromium VI	n/a	DNQ	0.094	µg/L	EPA 218.6	0.0048	0.3	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Copper	Dissolved	=	3.4	µg/L	EPA 200.8	0.036	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Copper	Total	=	4.9	µg/L	EPA 200.8	0.036	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 10:54:00 AM	Iron	Dissolved	=	74	µg/L	EPA 200.7	1.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 11:18:00 AM	Iron	Total	=	1200	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Lead	Dissolved	DNQ	0.042	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Lead	Total	=	0.74	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 6:38:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 6:38:00 PM	Mercury	Total	DNQ	4	ng/L	EPA 245.1	3.9	50	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Nickel	Dissolved	=	4.7	µg/L	EPA 200.8	0.091	0.8	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Nickel	Total	=	6.1	µg/L	EPA 200.8	0.091	0.8	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Selenium	Dissolved	=	1.1	µg/L	EPA 200.8	0.081	0.4	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Selenium	Total	=	1.1	µg/L	EPA 200.8	0.081	0.4	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Silver	Dissolved	DNQ	0.026	µg/L	EPA 200.8	0.012	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Silver	Total	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:52:00 AM	Zinc	Dissolved	=	6.2	µg/L	EPA 200.8	0.5	5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/10/2014 11:57:00 AM	Zinc	Total	=	12	µg/L	EPA 200.8	0.5	5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	0.13	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/3/2014 4:44:00 PM	Nitrate + Nitrite as N	n/a	=	0.73	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/14/2014 4:52:00 PM	Phosphorus as P	Dissolved	=	0.33	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 8:24:00 PM	Phosphorus as P	Total	=	0.37	mg/L	EPA 365.1	0.0056	0.04	WKL	HB-MSR
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 5:27:00 PM	TKN	n/a	=	3	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	2,4-Dimethylphenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Diethyl phthalate	n/a	=	4.2	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/7/2014 9:05:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Chlorpyrifos	n/a	=	0.077	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.4	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 5:18:00 PM	Glyphosate	n/a	<	9	µg/L	EPA 547	9	25	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/11/2014 12:16:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/12/2014 9:56:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/13/2014 3:16:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/5/2014 8:19:00 PM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/20/2014 3:36:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2014/15-1	Wet	11/1/2014 11:10:00 AM	11/6/2014 4:14:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/3/2014 8:00:00 AM	E. Coli	n/a	=	910	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/3/2014 2:15:00 PM	Enterococcus	n/a	=	3654	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/5/2014 9:00:00 AM	Fecal Coliform	n/a	=	1400	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/3/2014 8:00:00 AM	Total Coliform	n/a	=	2247	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/2/2014 12:05:00 PM	Conductivity	n/a	=	1074	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/5/2014 1:42:00 PM	Cyanide	Total	<	0.00048	mg/L	ASTM D7511	0.00048	0.002	WKL	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/2/2014 12:05:00 PM	DO	n/a	=	8.59	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/2/2014 12:05:00 PM	DO	n/a	=	83.5	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/2/2014 12:05:00 PM	pH	n/a	=	7.8	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/2/2014 12:05:00 PM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/2/2014 12:05:00 PM	Specific Conductance	n/a	=	1370	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/2/2014 12:05:00 PM	Temperature	n/a	=	13.7	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/9/2014 2:16:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/6/2014 3:15:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/7/2014 9:37:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2014/15-2	Wet	12/2/2014 12:05:00 PM	12/7/2014 9:37:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 2:44:00 PM	Chloride	n/a	=	140	mg/L	EPA 300.0	0.2	1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 2:44:00 PM	Fluoride	n/a	=	0.4	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/5/2014 12:30:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 3:10:00 PM	Calcium	Total	=	127	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 3:10:00 PM	Magnesium	Total	=	36.8	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 8:11:00 AM	COD	n/a	=	30	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 3:10:00 PM	Hardness as CaCO3	Total	=	470	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/4/2014 6:47:00 PM	MBAS	n/a	=	0.06	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/8/2014 3:40:00 PM	Total Dissolved Solids	n/a	=	910	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 12:10:00 PM	Diesel Range Organics	n/a	DNQ	0.051	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 12:10:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Aluminum	Dissolved	<	2.1	µg/L	EPA 200.8	2.1	5	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Aluminum	Total	=	150	µg/L	EPA 200.8	2.1	5	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Antimony	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.034	0.5	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Antimony	Total	DNQ	0.16	µg/L	EPA 200.8	0.034	0.5	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Arsenic	Dissolved	=	1.7	µg/L	EPA 200.8	0.13	0.4	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Arsenic	Total	=	2	µg/L	EPA 200.8	0.13	0.4	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Barium	Total	=	71	µg/L	EPA 200.8	0.097	0.5	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Beryllium	Total	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Cadmium	Dissolved	DNQ	0.061	µg/L	EPA 200.8	0.017	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Cadmium	Total	DNQ	0.094	µg/L	EPA 200.8	0.017	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Chromium	Dissolved	DNQ	0.078	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Chromium	Total	=	0.36	µg/L	EPA 200.8	0.024	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/5/2014 6:03:00 PM	Chromium VI	n/a	DNQ	0.089	µg/L	EPA 218.6	0.0048	0.3	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Copper	Dissolved	=	2.5	µg/L	EPA 200.8	0.036	0.5	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Copper	Total	=	3	µg/L	EPA 200.8	0.036	0.5	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:45:00 PM	Iron	Dissolved	=	110	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 3:10:00 PM	Iron	Total	=	640	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Lead	Dissolved	DNQ	0.036	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Lead	Total	=	0.22	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 3:45:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 3:45:00 PM	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Nickel	Dissolved	=	6.6	µg/L	EPA 200.8	0.091	0.8	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Nickel	Total	=	6.8	µg/L	EPA 200.8	0.091	0.8	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Selenium	Dissolved	=	0.81	µg/L	EPA 200.8	0.081	0.4	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Selenium	Total	=	0.7	µg/L	EPA 200.8	0.081	0.4	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Silver	Dissolved	DNQ	0.045	µg/L	EPA 200.8	0.012	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Silver	Total	DNQ	0.017	µg/L	EPA 200.8	0.012	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:53:00 PM	Zinc	Dissolved	DNQ	3.1	µg/L	EPA 200.8	0.5	5	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/12/2014 2:58:00 PM	Zinc	Total	DNQ	4.3	µg/L	EPA 200.8	0.5	5	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/17/2014 5:29:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/13/2014 3:23:00 PM	Nitrate + Nitrite as N	n/a	=	0.18	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 3:37:00 PM	Phosphorus as P	Dissolved	=	0.16	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/18/2014 7:36:00 PM	Phosphorus as P	Total	=	0.25	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/16/2014 4:35:00 PM	TKN	n/a	=	0.48	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.2	µg/L	EPA 525.2	1.1	3	WKL	LCSRPD, HB-L
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Chlorpyrifos	n/a	=	0.082	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/6/2014 12:46:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/9/2014 1:25:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2014/15-2	Wet	12/3/2014 10:54:00 AM	12/15/2014 8:39:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	959	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/13/2014 6:30:00 AM	Enterococcus	n/a	=	8664	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/16/2014 9:00:00 AM	Fecal Coliform	n/a	=	79000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	9208	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/12/2014 1:35:00 AM	Conductivity	n/a	=	1181	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/19/2014 9:01:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/12/2014 1:35:00 AM	DO	n/a	=	74.7	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/12/2014 1:35:00 AM	DO	n/a	=	7.7	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/12/2014 1:35:00 AM	pH	n/a	=	7.42	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/12/2014 1:35:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/12/2014 1:35:00 AM	Specific Conductance	n/a	=	1503	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/12/2014 1:35:00 AM	Temperature	n/a	=	13.8	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/17/2014 3:02:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/19/2014 10:05:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 1:35:00 AM	12/19/2014 10:05:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/13/2014 11:08:00 AM	Chloride	n/a	=	130	mg/L	EPA 300.0	0.25	1.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/13/2014 11:08:00 AM	Fluoride	n/a	=	0.44	mg/L	EPA 300.0	0.05	0.25	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/13/2014 4:07:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/29/2014 8:16:00 PM	Calcium	Total	=	142	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/29/2014 8:16:00 PM	Magnesium	Total	=	38.4	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 1:15:00 PM	Alkalinity as CaCO3	n/a	=	260	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/18/2014 11:10:00 AM	BOD	n/a	=	2.7	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 6:28:00 PM	COD	n/a	=	21	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/29/2014 8:16:00 PM	Hardness as CaCO3	Total	=	513	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/12/2014 9:34:00 PM	MBAS	n/a	DNQ	0.027	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/29/2014 11:00:00 AM	Phenolics	n/a	=	0.026	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/26/2014 12:02:00 PM	Specific Conductance	n/a	=	1500	µmhos/cm	SM 2510 B	0.47	4	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/17/2014 9:20:00 AM	Total Dissolved Solids	n/a	=	950	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/22/2014 7:50:00 AM	Total Organic Carbon	n/a	=	6.9	mg/L	SM 5310 C	0.018	0.6	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/18/2014 12:42:00 PM	Total Suspended Solids	n/a	=	16	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/12/2014 9:18:00 PM	Turbidity	n/a	=	19	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/18/2014 12:42:00 PM	Volatile Suspended Solids	n/a	DNQ	4	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/18/2014 7:45:00 PM	Diesel Range Organics	n/a	DNQ	0.07	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/18/2014 7:45:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Aluminum	Dissolved	DNQ	2.5	µg/L	EPA 200.8	2.1	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Aluminum	Total	=	530	µg/L	EPA 200.8	2.1	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Antimony	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.034	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Antimony	Total	DNQ	0.15	µg/L	EPA 200.8	0.034	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.13	0.4	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.13	0.4	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Barium	Total	=	73	µg/L	EPA 200.8	0.097	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Beryllium	Total	DNQ	0.02	µg/L	EPA 200.8	0.015	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Cadmium	Dissolved	DNQ	0.06	µg/L	EPA 200.8	0.017	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Cadmium	Total	=	0.19	µg/L	EPA 200.8	0.017	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Chromium	Dissolved	DNQ	0.06	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Chromium	Total	=	1	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/26/2014 11:24:00 AM	Chromium VI	n/a	=	0.032	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Copper	Dissolved	=	1.9	µg/L	EPA 200.8	0.036	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 10:46:00 PM	Copper	Total	=	2.7	µg/L	EPA 200.8	0.036	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/30/2014 6:48:00 PM	Iron	Dissolved	=	30	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/29/2014 8:16:00 PM	Iron	Total	=	910	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Lead	Dissolved	<	0.024	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Lead	Total	=	0.61	µg/L	EPA 200.8	0.024	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:07:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:07:00 PM	Mercury	Total	DNQ	6	ng/L	EPA 245.1	3.9	50	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Nickel	Dissolved	=	4.2	µg/L	EPA 200.8	0.091	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Nickel	Total	=	5.7	µg/L	EPA 200.8	0.091	0.8	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Selenium	Dissolved	=	0.69	µg/L	EPA 200.8	0.081	0.4	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Selenium	Total	=	0.81	µg/L	EPA 200.8	0.081	0.4	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Silver	Dissolved	DNQ	0.03	µg/L	EPA 200.8	0.012	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Silver	Total	DNQ	0.08	µg/L	EPA 200.8	0.012	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/6/2015 11:49:00 PM	Zinc	Dissolved	DNQ	2.4	µg/L	EPA 200.8	0.5	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/7/2015 1:38:00 AM	Zinc	Total	=	7.3	µg/L	EPA 200.8	0.5	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 4:22:00 PM	Ammonia as N Nitrate + Nitrite as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/17/2014 3:47:00 PM		n/a	=	0.24	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	1/2/2015 5:01:00 PM	Phosphorus as P Phosphorus as P	Dissolved	=	0.25	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/30/2014 5:59:00 PM		Total	=	0.25	mg/L	EPA 365.1	0.0028	0.02	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/26/2014 3:01:00 PM	TKN	n/a	=	0.44	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM	2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM		n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	2,4-Dichlorophenol 2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM		n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	2,4-Dimethylphenol 2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM		n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Benzenidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	7.9	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Diethyl phthalate	n/a	=	5.3	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 4:30:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Chlorpyrifos	n/a	=	0.039	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/15/2014 5:59:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/19/2014 5:06:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 7:10:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/23/2014 2:30:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/25/2014 2:17:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/20/2014 3:42:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2014/15-3	Wet	12/12/2014 12:02:00 PM	12/24/2014 1:46:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/8/2015 1:00:00 PM	E. Coli	n/a	=	7701	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/8/2015 6:50:00 PM	Enterococcus	n/a	=	3100	MPN/100 mL	Enterolert	1000	1000	VCHCA	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/9/2015 7:15:00 PM	Fecal Coliform	n/a	>	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/8/2015 1:00:00 PM	Total Coliform	n/a	=	57300	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/7/2015 4:50:00 PM	Conductivity	n/a	=	950	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/14/2015 3:47:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/7/2015 4:50:00 PM	DO	n/a	=	94.7	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/7/2015 4:50:00 PM	DO	n/a	=	9.33	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/7/2015 4:50:00 PM	pH	n/a	=	7.45	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/7/2015 4:50:00 PM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/7/2015 4:50:00 PM	Specific Conductance	n/a	=	1156	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/7/2015 4:50:00 PM	Temperature	n/a	=	15.6	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/14/2015 6:26:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/9/2015 6:11:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/13/2015 9:30:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2014/15-4	Wet	4/7/2015 4:50:00 PM	4/13/2015 4:50:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/19/2015 3:12:00 PM	Chloride	n/a	=	75	mg/L	EPA 300.0	0.2	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/19/2015 3:12:00 PM	Fluoride	n/a	=	0.37	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/19/2015 4:55:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 12:34:00 PM	Calcium	Total	=	136	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 12:34:00 PM	Magnesium	Total	=	35.5	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/22/2015 11:03:00 AM	Alkalinity as CaCO3	n/a	=	290	mg/L	SM 2320 B	0.56	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/20/2015 6:20:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/20/2015 4:34:00 PM	COD	n/a	=	62	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/15/2015 8:30:00 AM	Conductivity	n/a	=	964	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/20/2015 4:01:00 PM	Cyanide	Total	DNQ	0.0017	mg/L	ASTM D7511	0.00048	0.002	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/15/2015 8:30:00 AM	DO	n/a	=	71.7	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/15/2015 8:30:00 AM	DO	n/a	=	7.11	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 12:34:00 PM	Hardness as CaCO3	Total	=	486	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/15/2015 8:59:00 PM	MBAS	n/a	DNQ	0.045	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/15/2015 8:30:00 AM	pH	n/a	=	7.44	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 11:27:00 AM	Phenolics	n/a	DNQ	0.0051	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/15/2015 8:30:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/15/2015 8:30:00 AM	Specific Conductance	n/a	=	1250	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 11:19:00 AM	Specific Conductance	n/a	=	1200	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/15/2015 8:30:00 AM	Temperature	n/a	=	14.6	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/19/2015 11:15:00 AM	Total Dissolved Solids	n/a	=	760	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 3:51:00 PM	Total Organic Carbon	n/a	=	3.7	mg/L	SM 5310 C	0.018	0.6	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/20/2015 1:31:00 PM	Total Suspended Solids	n/a	=	9	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/16/2015 2:58:00 PM	Turbidity	n/a	=	11	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/20/2015 1:31:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/20/2015 4:25:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 5:58:00 PM	Oil and Grease	n/a	DNQ	1.8	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Aluminum	Dissolved	DNQ	1.5	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Aluminum	Total	=	240	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Antimony	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Antimony	Total	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Arsenic	Dissolved	=	0.83	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Arsenic	Total	=	0.87	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Barium	Total	=	55	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Chromium	Total	=	0.49	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/20/2015 3:55:00 PM	Chromium VI	n/a	=	0.11	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Copper	Dissolved	=	0.87	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Copper	Total	=	1.5	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 12:02:00 PM	Iron	Dissolved	=	11	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 12:34:00 PM	Iron	Total	=	420	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Lead	Total	=	0.25	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/21/2015 6:05:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/21/2015 6:05:00 PM	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Nickel	Dissolved	=	1.4	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Nickel	Total	=	1.9	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Selenium	Dissolved	=	0.84	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Selenium	Total	=	0.86	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:10:00 PM	Zinc	Dissolved	DNQ	1.6	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 2:14:00 PM	Zinc	Total	DNQ	2.7	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/18/2015 4:34:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/18/2015 12:55:00 PM	Nitrate + Nitrite as N	n/a	=	0.18	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/28/2015 12:23:00 PM	Phosphorus as P	Dissolved	=	0.068	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/28/2015 11:31:00 AM	Phosphorus as P	Total	=	0.098	mg/L	EPA 365.1	0.007	0.05	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/22/2015 4:20:00 PM	TKN	n/a	=	0.27	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/18/2015 9:23:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Diethyl phthalate	n/a	=	4.4	µg/L	EPA 625	0.15	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/18/2015 9:23:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 11:51:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Azinphos methyl	n/a	DNQ	0.006	µg/L	EPA 525.2m	0.0055	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	DCPA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	ieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Disulfoton	n/a	DNQ	0.06	µg/L	EPA 525.2	0.031	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Fensulfthion	n/a	=	0.025	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/18/2015 11:30:00 AM	Glyphosate	n/a	=	5.7	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 12:45:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 2:08:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 8:54:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Toxothion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 12:11:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 6:53:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/30/2015 9:26:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/23/2015 6:36:00 PM	Chloride	n/a	=	72	mg/L	EPA 300.0	0.2	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/23/2015 6:36:00 PM	Fluoride	n/a	=	0.44	mg/L	EPA 300.0	0.04	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/23/2015 6:38:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/29/2015 1:03:00 PM	Calcium	Total	=	144	mg/L	EPA 200.7	0.016	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/29/2015 1:03:00 PM	Magnesium	Total	=	38.3	mg/L	EPA 200.7	0.012	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/25/2015 12:06:00 PM	Alkalinity as CaCO3	n/a	=	290	mg/L	SM 2320 B	0.56	10	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/29/2015 2:20:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/29/2015 5:04:00 PM	COD	n/a	DNQ	2.3	mg/L	EPA 410.4	0.73	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/29/2015 1:03:00 PM	Hardness as CaCO3	Total	=	517	mg/L	EPA 200.7	0.0894	0.662	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/24/2015 7:51:00 PM	MBAS	n/a	DNQ	0.026	mg/L	SM 5540 C	0.019	0.05	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/6/2015 8:51:00 AM	Phenolics	n/a	DNQ	0.0043	mg/L	EPA 420.4	0.0042	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/24/2015 12:35:00 PM	Specific Conductance	n/a	=	1100	µmhos/cm	SM 2510 B	0.23	2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/28/2015 11:25:00 AM	Total Dissolved Solids	n/a	=	750	mg/L	SM 2540 C	4	10	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/25/2015 10:43:00 AM	Total Organic Carbon	n/a	=	1.3	mg/L	SM 5310 C	0.009	0.3	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/25/2015 11:11:00 AM	Total Suspended Solids	n/a	DNQ	3	mg/L	SM 2540 D	-88	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/24/2015 4:31:00 PM	Turbidity	n/a	=	1.6	NTU	EPA 180.1	0.024	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/25/2015 11:11:00 AM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 7:20:00 PM	Diesel Range Organics	n/a	<	0.1	mg/L	EPA 8015B	0.024	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 7:20:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:18:00 PM	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Aluminum	Total	=	21	µg/L	EPA 200.8	1.3	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:18:00 PM	Antimony	Dissolved	<	0.045	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Antimony	Total	<	0.045	µg/L	EPA 200.8	0.045	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:18:00 PM	Arsenic	Dissolved	=	0.67	µg/L	EPA 200.8	0.074	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Arsenic	Total	=	0.68	µg/L	EPA 200.8	0.074	0.4	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Barium	Total	=	53	µg/L	EPA 200.8	0.071	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:18:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:18:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Cadmium	Total	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:18:00 PM	Chromium	Dissolved	<	0.035	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Chromium	Total	DNQ	0.08	µg/L	EPA 200.8	0.035	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/24/2015 1:45:00 PM	Chromium VI	n/a	=	0.18	µg/L	EPA 218.6	0.0048	0.02	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/2/2015 12:45:00 PM	Copper	Dissolved	DNQ	0.45	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Copper	Total	=	0.68	µg/L	EPA 200.8	0.13	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 1:33:00 PM	Iron	Dissolved	=	17	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/29/2015 1:03:00 PM	Iron	Total	=	100	µg/L	EPA 200.7	1.1	10	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:18:00 PM	Lead	Dissolved	DNQ	0.11	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Lead	Total	DNQ	0.05	µg/L	EPA 200.8	0.031	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/6/2015 5:14:00 PM	Mercury	Dissolved	DNQ	12	ng/L	EPA 245.1	3.9	50	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/6/2015 5:14:00 PM	Mercury	Total	DNQ	15	ng/L	EPA 245.1	3.9	50	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:18:00 PM	Nickel	Dissolved	DNQ	0.77	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Nickel	Total	=	0.82	µg/L	EPA 200.8	0.045	0.8	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:18:00 PM	Selenium	Dissolved	=	0.92	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Selenium	Total	=	0.99	µg/L	EPA 200.8	0.14	0.4	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:18:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:18:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/2/2015 12:45:00 PM	Zinc	Dissolved	DNQ	0.96	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 5:34:00 PM	Zinc	Total	DNQ	1.4	µg/L	EPA 200.8	0.94	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/24/2015 4:27:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/24/2015 5:08:00 PM	Nitrate + Nitrite as N	n/a	DNQ	0.061	mg/L	EPA 353.2	0.01	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/6/2015 11:35:00 AM	Phosphorus as P	Dissolved	DNQ	0.0076	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/29/2015 11:18:00 AM	Phosphorus as P	Total	=	0.022	mg/L	EPA 365.1	0.0014	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/2/2015 1:44:00 PM	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Benzenidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Benzo(g,h,i)perylene	n/a	=	0.14	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Dibenz(a,h)anthracene	n/a	=	0.14	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Diethyl phthalate	n/a	=	5	µg/L	EPA 625	0.15	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Indeno(1,2,3-cd)pyrene	n/a	=	0.16	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 4:25:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Disulfoton	n/a	DNQ	0.04	µg/L	EPA 525.2	0.031	0.1	WKL	EST-LCSRPD
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 6:27:00 AM	Fensulfotion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/2/2015 12:26:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 6:27:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/1/2015 3:15:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:10:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/26/2015 1:10:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/7/2015 10:07:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	7/8/2015 3:29:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:30:00 AM	6/30/2015 2:17:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/24/2015 9:00:00 AM	E. Coli	n/a	=	120	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/24/2015 12:45:00 PM	Enterococcus	n/a	=	20	MPN/100 mL	Enterolert	10	10	VCHCA	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/25/2015 2:15:00 PM	Fecal Coliform	n/a	=	1600	MPN/100 mL	SM 9221 E	2	2	VCHCA	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/24/2015 9:00:00 AM	Total Coliform	n/a	=	9208	MPN/100 mL	MMO-MUG	10	10	VCHCA	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/23/2015 11:40:00 AM	Conductivity	n/a	=	1072	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	7/1/2015 1:01:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/23/2015 11:40:00 AM	DO	n/a	=	102.1	%	Field Meter	-88	0.1	Field Crew	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/23/2015 11:40:00 AM	DO	n/a	=	9.28	mg/L	Field Meter	-88	0.3	Field Crew	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/23/2015 11:40:00 AM	pH	n/a	=	7.45	pH Units	Field Meter	-88	0.01	Field Crew	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/23/2015 11:40:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/23/2015 11:40:00 AM	Specific Conductance	n/a	=	1184	µmhos/cm	Field Meter	-88	1	Field Crew	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/23/2015 11:40:00 AM	Temperature	n/a	=	20.1	°C	Field Meter	-88	0.1	Field Crew	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/29/2015 9:11:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/26/2015 2:59:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/24/2015 7:03:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
ME-VR2	2014/15-6	Dry	6/23/2015 11:40:00 AM	6/24/2015 7:03:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/1/2014 11:15:00 PM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/3/2014 9:00:00 AM	Fecal Coliform	n/a	=	13000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/1/2014 11:15:00 PM	Total Coliform	n/a	=	27200	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/1/2014 12:25:00 AM	Conductivity	n/a	=	269	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/6/2014 4:28:00 PM	Cyanide	Total	=	0.0022	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/1/2014 12:25:00 AM	DO	n/a	=	9.45	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/1/2014 12:25:00 AM	DO	n/a	=	97	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/1/2014 12:25:00 AM	pH	n/a	=	7.49	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/1/2014 12:25:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/1/2014 12:25:00 AM	Specific Conductance	n/a	=	319	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/1/2014 12:25:00 AM	Temperature	n/a	=	16.8	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/7/2014 5:23:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/11/2014 4:44:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/5/2014 1:20:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:25:00 AM	11/5/2014 1:20:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 10:38:00 PM	Chloride	n/a	=	19	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 10:38:00 PM	Fluoride	n/a	=	0.32	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 12:08:00 AM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 11:20:00 AM	Calcium	Total	=	26.9	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 11:20:00 AM	Magnesium	Total	=	7.27	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 1:45:00 PM	Alkalinity as CaCO3	n/a	=	41	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	31	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	270	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 11:20:00 AM	Hardness as CaCO3	Total	=	97	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/2/2014 4:09:00 PM	MBAS	n/a	=	0.13	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 1:33:00 PM	Phenolics	n/a	=	0.12	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 2:43:00 PM	Specific Conductance	n/a	=	230	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	200	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	53	mg/L	SM 5310 C	0.18	6	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	360	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	65	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	=	82	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 2:34:00 PM	Diesel Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 2:34:00 PM	Oil Range Organics	n/a	=	1	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Aluminum	Dissolved	=	94	µg/L	EPA 200.8	2.1	5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Aluminum	Total	=	7800	µg/L	EPA 200.8	2.1	5	WKL	HB-MSR
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Antimony	Dissolved	=	0.94	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Antimony	Total	=	2.6	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Arsenic	Total	=	4.3	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Barium	Total	=	130	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Beryllium	Total	=	0.31	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Cadmium	Dissolved	DNQ	0.086	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Cadmium	Total	=	0.87	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Chromium	Dissolved	=	0.92	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Chromium	Total	=	16	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/4/2014 4:46:00 PM	Chromium VI	n/a	DNQ	0.23	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Copper	Total	=	76	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 11:05:00 AM	Iron	Dissolved	=	180	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 11:20:00 AM	Iron	Total	=	11000	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Lead	Dissolved	=	0.64	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Lead	Total	=	19	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 6:38:00 PM	Mercury	Dissolved	DNQ	7	ng/L	EPA 245.1	3.9	50	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 6:38:00 PM	Mercury	Total	=	60	ng/L	EPA 245.1	3.9	50	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Nickel	Dissolved	=	8.6	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Nickel	Total	=	23	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Selenium	Dissolved	DNQ	0.32	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Selenium	Total	=	0.64	µg/L	EPA 200.8	0.081	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Silver	Total	DNQ	0.14	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Thallium	Total	DNQ	0.11	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:01:00 PM	Zinc	Dissolved	=	120	µg/L	EPA 200.8	0.5	5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/10/2014 12:18:00 PM	Zinc	Total	=	420	µg/L	EPA 200.8	0.5	5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	1.4	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/3/2014 4:47:00 PM	Nitrate + Nitrite as N	n/a	=	2.2	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/14/2014 5:26:00 PM	Phosphorus as P	Dissolved	=	1.1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 7:48:00 PM	Phosphorus as P	Total	=	1.5	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 5:27:00 PM	TKN	n/a	=	5.7	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Benzo(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Benzo(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Diethyl phthalate	n/a	=	1.5	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/7/2014 9:38:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	4,4'-DDE	n/a	DNQ	0.045	µg/L	EPA 608	0.012	0.25	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Chlorpyrifos	n/a	=	0.018	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	Dicamba	n/a	DNQ	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 5:18:00 PM	Glyphosate	n/a	<	9	µg/L	EPA 547	9	25	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Malathion	n/a	=	0.24	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/12/2014 10:24:00 PM	Pentachlorophenol	n/a	DNQ	0.85	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/11/2014 12:46:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/13/2014 3:51:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.009	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/5/2014 8:50:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/19/2014 5:58:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2014/15-1	Wet	11/1/2014 12:45:00 AM	11/6/2014 4:38:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/14/2014 10:22:00 AM	Fecal Coliform	n/a	=	350000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	344800	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/12/2014 2:35:00 AM	Conductivity	n/a	=	70.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/24/2014 3:54:00 PM	Cyanide	Total	=	0.003	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/12/2014 2:35:00 AM	DO	n/a	=	95.9	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/12/2014 2:35:00 AM	DO	n/a	=	9.9	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/12/2014 2:35:00 AM	pH	n/a	=	8.72	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/12/2014 2:35:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/12/2014 2:35:00 AM	Specific Conductance	n/a	=	89.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/12/2014 8:21:00 AM	Temperature	n/a	=	13.9	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/17/2014 3:32:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/19/2014 10:35:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 2:35:00 AM	12/19/2014 10:35:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/13/2014 11:28:00 AM	Chloride	n/a	=	4	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/13/2014 11:28:00 AM	Fluoride	n/a	DNQ	0.024	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/13/2014 4:48:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/29/2014 8:21:00 PM	Calcium	Total	=	14.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/29/2014 8:21:00 PM	Magnesium	Total	=	5.47	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 12:16:00 PM	Alkalinity as CaCO3	n/a	=	24	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/18/2014 11:10:00 AM	BOD	n/a	=	6.9	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 6:28:00 PM	COD	n/a	=	130	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/29/2014 8:21:00 PM	Hardness as CaCO3	Total	=	59.3	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/12/2014 9:34:00 PM	MBAS	n/a	DNQ	0.032	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/29/2014 11:01:00 AM	Phenolics	n/a	=	0.053	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/26/2014 5:41:00 PM	Specific Conductance	n/a	=	88	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/17/2014 9:20:00 AM	Total Dissolved Solids	n/a	=	56	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/22/2014 7:50:00 AM	Total Organic Carbon	n/a	=	7.2	mg/L	SM 5310 C	0.018	0.6	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/18/2014 12:42:00 PM	Total Suspended Solids	n/a	=	480	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/12/2014 9:18:00 PM	Turbidity	n/a	=	69	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/18/2014 12:42:00 PM	Volatile Suspended Solids	n/a	=	61	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/18/2014 8:15:00 PM	Diesel Range Organics	n/a	=	0.32	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 6:51:00 PM	Oil Range Organics	n/a	DNQ	0.42	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Aluminum	Dissolved	=	41	µg/L	EPA 200.8	2.1	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 10:51:00 PM	Aluminum	Total	=	11000	µg/L	EPA 200.8	4.2	10	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Antimony	Dissolved	DNQ	0.31	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 1:46:00 AM	Antimony	Total	=	0.96	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Arsenic	Dissolved	=	0.76	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 1:46:00 AM	Arsenic	Total	=	4.8	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 1:46:00 AM	Barium	Total	=	130	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 1:46:00 AM	Beryllium	Total	=	0.44	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Cadmium	Dissolved	DNQ	0.03	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 1:46:00 AM	Cadmium	Total	=	0.75	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Chromium	Dissolved	=	0.36	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 1:46:00 AM	Chromium	Total	=	20	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/26/2014 11:36:00 AM	Chromium VI	n/a	=	0.25	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Copper	Dissolved	=	3.4	µg/L	EPA 200.8	0.036	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 10:51:00 PM	Copper	Total	=	35	µg/L	EPA 200.8	0.072	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/29/2014 8:19:00 PM	Iron	Dissolved	=	61	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/29/2014 8:21:00 PM	Iron	Total	=	15000	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Lead	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 1:46:00 AM	Lead	Total	=	21	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:07:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:07:00 PM	Mercury	Total	DNQ	34	ng/L	EPA 245.1	3.9	50	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Nickel	Dissolved	DNQ	0.77	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 1:46:00 AM	Nickel	Total	=	19	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Selenium	Dissolved	<	0.081	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 1:46:00 AM	Selenium	Total	DNQ	0.3	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 1:46:00 AM	Silver	Total	DNQ	0.1	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 1:46:00 AM	Thallium	Total	DNQ	0.16	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/6/2015 11:56:00 PM	Zinc	Dissolved	=	6.7	µg/L	EPA 200.8	0.5	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/7/2015 1:46:00 AM	Zinc	Total	=	220	µg/L	EPA 200.8	0.5	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 4:22:00 PM	Ammonia as N	n/a	=	0.25	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/17/2014 3:56:00 PM	Nitrate + Nitrite as N	n/a	=	0.43	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	1/2/2015 4:26:00 PM	Phosphorus as P	Dissolved	=	1.4	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/30/2014 6:00:00 PM	Phosphorus as P	Total	=	2	mg/L	EPA 365.1	0.07	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/30/2014 7:02:00 PM	TKN	n/a	=	5.3	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	19	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Diethyl phthalate	n/a	=	1.2	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 5:03:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	4,4'-DDE	n/a	DNQ	0.014	µg/L	EPA 608	0.0025	0.05	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	4,4'-DDT	n/a	DNQ	0.0096	µg/L	EPA 608	0.0031	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	DCPA (Dacthal)	n/a	DNQ	0.089	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Dimethoate	n/a	DNQ	0.0064	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/15/2014 5:59:00 PM	Glyphosate	n/a	DNQ	4.4	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Malathion	n/a	=	0.034	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/19/2014 5:36:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 7:39:00 AM	Pentachlorophenol	n/a	DNQ	0.63	µg/L	EPA 8270Cm	0.15	1	WKL	-LC SRPD, HB-L
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	Pentachlorophenol	n/a	DNQ	0.086	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/23/2014 4:47:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Prometryn	n/a	=	0.13	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Simazine	n/a	=	0.13	µg/L	EPA 525.2	0.015	0.1	WKL	HB-LCSR
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/25/2014 2:48:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/20/2014 4:07:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2014/15-3	Wet	12/12/2014 10:50:00 AM	12/24/2014 2:10:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/19/2015 3:29:00 PM	Chloride	n/a	=	15	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/19/2015 3:29:00 PM	Fluoride	n/a	=	0.19	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/22/2015 4:46:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/26/2015 12:36:00 PM	Calcium	Total	=	23.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/26/2015 12:36:00 PM	Magnesium	Total	=	6.61	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/22/2015 11:03:00 AM	Alkalinity as CaCO3	n/a	=	40	mg/L	SM 2320 B	0.56	2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/20/2015 6:20:00 PM	BOD	n/a	=	19	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/20/2015 4:34:00 PM	COD	n/a	=	360	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/26/2015 12:36:00 PM	Hardness as CaCO3	Total	=	86.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/15/2015 8:59:00 PM	MBAS	n/a	=	0.72	mg/L	SM 5540 C	0.076	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/26/2015 11:28:00 AM	Phenolics	n/a	=	0.037	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/26/2015 11:19:00 AM	Specific Conductance	n/a	=	190	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/19/2015 11:15:00 AM	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/1/2015 3:51:00 PM	Total Organic Carbon	n/a	=	47	mg/L	SM 5310 C	0.18	6	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/20/2015 1:31:00 PM	Total Suspended Solids	n/a	=	460	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/16/2015 2:58:00 PM	Turbidity	n/a	=	42	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/20/2015 1:31:00 PM	Volatile Suspended Solids	n/a	=	110	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Aluminum	Dissolved	=	65	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Aluminum	Total	=	7600	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Antimony	Dissolved	=	1.3	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Antimony	Total	=	3.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Arsenic	Total	=	3.7	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Barium	Total	=	140	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Beryllium	Total	=	0.3	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Cadmium	Dissolved	DNQ	0.083	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Cadmium	Total	=	0.91	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Chromium	Dissolved	=	1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Chromium	Total	=	16	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/20/2015 4:07:00 PM	Chromium VI	n/a	=	0.59	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Copper	Dissolved	=	13	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Copper	Total	=	74	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/26/2015 12:05:00 PM	Iron	Dissolved	=	230	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/26/2015 12:36:00 PM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Lead	Dissolved	=	0.49	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Lead	Total	=	21	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/21/2015 6:05:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/21/2015 6:05:00 PM	Mercury	Total	DNQ	30	ng/L	EPA 245.1	3.9	50	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Nickel	Dissolved	=	6.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Nickel	Total	=	21	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Selenium	Dissolved	DNQ	0.27	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Selenium	Total	=	0.53	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Silver	Total	DNQ	0.17	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Thallium	Total	DNQ	0.11	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:19:00 PM	Zinc	Dissolved	=	91	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/27/2015 2:23:00 PM	Zinc	Total	=	430	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/18/2015 4:34:00 PM	Ammonia as N	n/a	=	0.94	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/18/2015 12:05:00 PM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/28/2015 12:37:00 PM	Phosphorus as P	Dissolved	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/28/2015 11:32:00 AM	Phosphorus as P	Total	=	1.8	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/22/2015 4:20:00 PM	TKN	n/a	=	6.8	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270Cm	2.9	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270Cm	3	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270Cm	5.1	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270Cm	6.5	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270Cm	3.4	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270Cm	7.1	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270Cm	3	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270Cm	1.4	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270Cm	3.7	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.33	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3.2	µg/L	EPA 525.2	1.1	3	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	9.1	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Butyl benzyl phthalate	n/a	DNQ	0.43	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Diethyl phthalate	n/a	=	1.8	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270Cm	3.5	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/2/2015 12:24:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Azinphos methyl	n/a	DNQ	0.0064	µg/L	EPA 525.2m	0.0064	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Dichlorvos	n/a	=	0.01	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Fensulfthion	n/a	=	0.015	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/18/2015 11:40:00 AM	Glyphosate	n/a	=	7.4	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Malathion	n/a	=	0.18	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/6/2015 1:14:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/3/2015 2:36:00 AM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270Cm	1.5	10	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/29/2015 9:28:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/5/2015 12:42:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	6/13/2015 7:20:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2014/15-5	Wet	5/15/2015 10:30:00 AM	5/30/2015 9:52:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:09:00 PM	Chloride	n/a	=	240	mg/L	EPA 300.0	1	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 4:17:00 PM	Fluoride	n/a	=	0.83	mg/L	EPA 300.0	0.05	0.25	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/9/2015 1:32:00 PM	Perchlorate	n/a	=	21	µg/L	EPA 314.0	1.9	4	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/8/2015 9:00:00 AM	E. Coli	n/a	=	168	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/10/2015 12:00:00 PM	Fecal Coliform	n/a	=	50000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/8/2015 9:00:00 AM	Total Coliform	n/a	=	57940	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/13/2015 5:00:00 PM	Calcium	Total	=	137	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/13/2015 5:00:00 PM	Magnesium	Total	=	24.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/8/2015 2:35:00 PM	Alkalinity as CaCO3	n/a	=	180	mg/L	SM 2320 B	0.56	10	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/13/2015 2:40:00 PM	BOD	n/a	=	9.2	mg/L	SM 5210 B	2	2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/10/2015 11:02:00 AM	COD	n/a	=	91	mg/L	EPA 410.4	0.73	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/7/2015 11:50:00 AM	Conductivity	n/a	=	1345	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/9/2015 4:39:00 PM	Cyanide	Total	=	0.0048	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/7/2015 11:50:00 AM	DO	n/a	=	15.39	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/7/2015 11:50:00 AM	DO	n/a	=	181.5	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/13/2015 5:00:00 PM	Hardness as CaCO3	Total	=	445	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/8/2015 7:04:00 PM	MBAS	n/a	=	0.17	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/7/2015 11:50:00 AM	pH	n/a	=	9.85	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/13/2015 10:34:00 AM	Phenolics	n/a	=	0.013	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/7/2015 11:50:00 AM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/7/2015 11:50:00 AM	Specific Conductance	n/a	=	1388	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:04:00 AM	Specific Conductance	n/a	=	1900	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/7/2015 11:50:00 AM	Temperature	n/a	=	23.4	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/8/2015 3:10:00 PM	Total Dissolved Solids	n/a	=	1200	mg/L	SM 2540 C	4	10	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/8/2015 8:55:00 PM	Total Organic Carbon	n/a	=	31	mg/L	SM 5310 C	0.09	3	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/13/2015 12:11:00 PM	Total Suspended Solids	n/a	=	7	mg/L	SM 2540 D	-88	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/8/2015 5:19:00 PM	Turbidity	n/a	=	2.2	NTU	EPA 180.1	0.024	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/13/2015 12:11:00 PM	Volatile Suspended Solids	n/a	=	5	mg/L	EPA 160.4	3.1	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 2:01:00 PM	Diesel Range Organics	n/a	=	1.6	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/13/2015 7:47:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/10/2015 4:43:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 2:01:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Aluminum	Dissolved	DNQ	2.7	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Aluminum	Total	=	22	µg/L	EPA 200.8	1.3	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Antimony	Total	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Arsenic	Dissolved	=	3.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Arsenic	Total	=	3.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Barium	Total	=	77	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Cadmium	Dissolved	=	0.16	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Cadmium	Total	=	0.18	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Chromium	Dissolved	=	0.46	µg/L	EPA 200.8	0.035	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Chromium	Total	=	0.52	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/8/2015 1:54:00 PM	Chromium VI	n/a	=	0.26	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Copper	Dissolved	=	50	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Copper	Total	=	52	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/13/2015 4:49:00 PM	Iron	Dissolved	=	29	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/13/2015 5:00:00 PM	Iron	Total	=	90	µg/L	EPA 200.7	1.1	10	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Lead	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Lead	Total	=	0.21	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/20/2015 3:49:00 PM	Mercury	Dissolved	DNQ	19	ng/L	EPA 245.1	3.9	50	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/20/2015 3:49:00 PM	Mercury	Total	DNQ	17	ng/L	EPA 245.1	3.9	50	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Nickel	Dissolved	=	4	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Nickel	Total	=	4.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Selenium	Dissolved	=	0.63	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Selenium	Total	=	0.65	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Silver	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Silver	Total	DNQ	0.07	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 2:52:00 PM	Zinc	Dissolved	=	8.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/12/2015 3:55:00 PM	Zinc	Total	=	9.8	µg/L	EPA 200.8	0.94	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/8/2015 11:59:00 AM	Ammonia as N	n/a	DNQ	0.065	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/8/2015 3:13:00 PM	Nitrate + Nitrite as N	n/a	=	0.11	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/10/2015 11:48:00 AM	Phosphorus as P	Dissolved	=	0.65	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/10/2015 11:26:00 AM	Phosphorus as P	Total	=	0.73	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/20/2015 4:01:00 PM	TKN	n/a	=	2.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/8/2015 7:47:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.5	µg/L	EPA 525.2	1.1	3	WKL	-LCSRPD, HB-L
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	8.1	µg/L	EPA 625	2.3	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.36	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Diethyl phthalate	n/a	=	2.9	µg/L	EPA 625	0.15	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Di-n-butylphthalate	n/a	DNQ	0.27	µg/L	EPA 625	0.24	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/8/2015 7:47:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Phenol	n/a	=	1.2	µg/L	EPA 625	0.16	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	Phenol	n/a	DNQ	0.95	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/15/2015 5:51:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	DCPA (Dacthal)	n/a	=	0.99	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Dimethoate	n/a	=	0.051	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	LB-LCSR
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Fensulfothion	n/a	DNQ	0.0067	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/13/2015 5:23:00 PM	Glyphosate	n/a	=	11	µg/L	EPA 547	1.8	5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/16/2015 10:14:00 PM	Pentachlorophenol	n/a	DNQ	0.62	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 7:38:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/11/2015 10:37:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/18/2015 3:09:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/21/2015 3:49:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-CAM	2014/15-6	Dry	7/7/2015 11:50:00 AM	7/14/2015 8:49:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/21/2015 8:30:00 AM	E. Coli	n/a	=	368	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/21/2015 8:30:00 AM	Total Coliform	n/a	=	172300	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/26/2015 3:29:00 PM	Calcium	Total	=	92	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/26/2015 3:29:00 PM	Magnesium	Total	=	31.6	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/20/2015 8:10:00 AM	Conductivity	n/a	=	1225	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/20/2015 8:10:00 AM	Discharge	n/a	=	0.01	cfs	Field Estimate	-88	-88	Field Crew	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/20/2015 8:10:00 AM	DO	n/a	=	11.16	mg/L	Field Meter	-88	0.3	Field Crew	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/20/2015 8:10:00 AM	DO	n/a	=	129.3	%	Field Meter	-88	0.1	Field Crew	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/26/2015 3:29:00 PM	Hardness as CaCO3	Total	=	360	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/20/2015 8:10:00 AM	pH	n/a	=	8.59	pH Units	Field Meter	-88	0.01	Field Crew	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/20/2015 8:10:00 AM	Salinity	n/a	=	600	mg/L	Field Meter	-88	100	Field Crew	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/20/2015 8:10:00 AM	Specific Conductance	n/a	=	1290	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/20/2015 8:10:00 AM	Temperature	n/a	=	22.4	°C	Field Meter	-88	0.1	Field Crew	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/26/2015 11:01:00 AM	Total Organic Carbon	n/a	=	14	mg/L	SM 5310 C	0.045	1.5	WKL	D
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	8/20/2015 8:10:00 AM	Turbidity	n/a	=	2.33	NTU	Field Meter	-88	0.01	Field Crew	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	9/2/2015 1:00:00 PM	Copper	Dissolved	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	9/2/2015 1:00:00 PM	Lead	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-CAM	2015-DRY	Dry	8/20/2015 8:10:00 AM	9/2/2015 1:00:00 PM	Zinc	Dissolved	=	8.2	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2014/15-1	Wet	10/31/2014 11:15:00 PM	11/1/2014 11:15:00 PM	E. Coli	n/a	=	7915	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2014/15-1	Wet	10/31/2014 11:15:00 PM	11/3/2014 10:00:00 AM	Fecal Coliform	n/a	=	110000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2014/15-1	Wet	10/31/2014 11:15:00 PM	11/1/2014 11:15:00 PM	Total Coliform	n/a	=	35000	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2014/15-1	Wet	10/31/2014 11:15:00 PM	11/6/2014 4:28:00 PM	Cyanide	Total	=	0.0081	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2014/15-1	Wet	10/31/2014 11:15:00 PM	10/31/2014 11:15:00 PM	pH	n/a	=	7.63	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2014/15-1	Wet	10/31/2014 11:15:00 PM	10/31/2014 11:15:00 PM	Temperature	n/a	=	17.8	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2014/15-1	Wet	10/31/2014 11:15:00 PM	11/10/2014 5:58:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-FIL	2014/15-1	Wet	10/31/2014 11:15:00 PM	11/5/2014 5:53:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2014/15-1	Wet	10/31/2014 11:15:00 PM	11/5/2014 6:18:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2014/15-1	Wet	10/31/2014 11:15:00 PM	11/5/2014 6:18:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/7/2014 1:15:00 PM	Chloride	n/a	=	41	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/7/2014 1:15:00 PM	Fluoride	n/a	=	0.35	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/7/2014 11:08:00 PM	Perchlorate	n/a	=	20	µg/L	EPA 314.0	4.8	10	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:10:00 PM	Calcium	Total	=	95.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:10:00 PM	Magnesium	Total	=	23.6	mg/L	EPA 200.7	0.012	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/3/2014 3:13:00 PM	Alkalinity as CaCO3	n/a	=	100	mg/L	SM 2320 B	0.56	10	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	17	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	140	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:10:00 PM	Hardness as CaCO3	Total	=	336	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/2/2014 4:09:00 PM	MBAS	n/a	=	0.13	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/10/2014 3:44:00 PM	Phenolics	n/a	=	0.035	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/7/2014 1:08:00 PM	Specific Conductance	n/a	=	770	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	550	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	36	mg/L	SM 5310 C	0.18	6	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	270	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	85	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	=	38	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 5:04:00 PM	Diesel Range Organics	n/a	=	1.3	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 5:04:00 PM	Oil Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:45:00 PM	Aluminum	Dissolved	=	23	µg/L	EPA 200.8	2.1	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 1:13:00 PM	Aluminum	Total	=	4100	µg/L	EPA 200.8	2.1	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 5:54:00 PM	Antimony	Dissolved	=	0.92	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 6:21:00 PM	Antimony	Total	=	2.1	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 5:54:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 6:21:00 PM	Arsenic	Total	=	4.9	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 6:21:00 PM	Barium	Total	=	140	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 5:54:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 6:21:00 PM	Beryllium	Total	=	0.23	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 5:54:00 PM	Cadmium	Dissolved	=	0.66	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 6:21:00 PM	Cadmium	Total	=	5.3	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 5:54:00 PM	Chromium	Dissolved	=	1.7	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 6:21:00 PM	Chromium	Total	=	20	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/4/2014 4:46:00 PM	Chromium VI	n/a	=	0.95	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:45:00 PM	Copper	Dissolved	=	12	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 1:13:00 PM	Copper	Total	=	40	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 1:52:00 PM	Iron	Dissolved	=	58	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:10:00 PM	Iron	Total	=	9000	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 5:54:00 PM	Lead	Dissolved	=	0.23	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 6:21:00 PM	Lead	Total	=	9.2	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:38:00 PM	Mercury	Dissolved	DNQ	8	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:38:00 PM	Mercury	Total	DNQ	26	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 5:54:00 PM	Nickel	Dissolved	=	7.8	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 6:21:00 PM	Nickel	Total	=	31	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 5:54:00 PM	Selenium	Dissolved	=	3.9	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 6:21:00 PM	Selenium	Total	=	5.9	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 5:54:00 PM	Silver	Dissolved	DNQ	0.052	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 6:21:00 PM	Silver	Total	=	0.27	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 5:54:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 6:21:00 PM	Thallium	Total	=	0.48	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 5:54:00 PM	Zinc	Dissolved	=	41	µg/L	EPA 200.8	0.5	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/12/2014 6:21:00 PM	Zinc	Total	=	200	µg/L	EPA 200.8	0.5	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	0.66	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/3/2014 5:02:00 PM	Nitrate + Nitrite as N	n/a	=	2.8	mg/L	EPA 353.2	0.01	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/14/2014 5:16:00 PM	Phosphorus as P	Dissolved	=	0.82	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/7/2014 8:14:00 PM	Phosphorus as P	Total	=	0.97	mg/L	EPA 365.1	0.011	0.08	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/5/2014 5:27:00 PM	TKN	n/a	=	5.2	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	3-4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Benidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Diethyl phthalate	n/a	DNQ	0.5	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/8/2014 12:24:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Chlorpyrifos	n/a	=	0.013	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:44:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	Dicamba	n/a	DNQ	0.15	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/5/2014 5:18:00 PM	Glyphosate	n/a	DNQ	20	µg/L	EPA 547	9	25	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Malathion	n/a	=	0.044	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:44:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 12:48:00 AM	Pentachlorophenol	n/a	=	1.2	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/11/2014 3:17:00 AM	Pentachlorophenol	n/a	DNQ	0.86	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	Pentachlorophenol	n/a	DNQ	0.16	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/13/2014 6:44:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 2:27:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/20/2014 5:14:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2014/15-1	Wet	11/1/2014 11:21:00 AM	11/6/2014 6:41:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/3/2014 8:00:00 AM	E. Coli	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/5/2014 9:00:00 AM	Fecal Coliform	n/a	=	33000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/3/2014 8:00:00 AM	Total Coliform	n/a	=	49500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/2/2014 10:55:00 AM	Conductivity	n/a	=	110.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/12/2014 5:40:00 PM	Cyanide	Total	<	0.00048	mg/L	ASTM D7511	0.00048	0.002	WKL	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/2/2014 10:55:00 AM	DO	n/a	=	96.5	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/2/2014 10:55:00 AM	DO	n/a	=	9.68	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/2/2014 10:55:00 AM	pH	n/a	=	7.2	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/2/2014 10:55:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/2/2014 10:55:00 AM	Specific Conductance	n/a	=	135.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/2/2014 10:55:00 AM	Temperature	n/a	=	15	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/9/2014 3:46:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/5/2014 5:13:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/8/2014 1:12:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2014/15-2	Wet	12/2/2014 10:55:00 AM	12/8/2014 1:12:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:57:00 PM	Chloride	n/a	=	19	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:57:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 2:28:00 PM	Perchlorate	n/a	=	2.9	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 3:23:00 PM	Calcium	Total	=	38	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 3:23:00 PM	Magnesium	Total	=	9.43	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/9/2014 1:33:00 PM	Alkalinity as CaCO3	n/a	=	48	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/9/2014 1:40:00 PM	BOD	n/a	=	7.2	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/9/2014 8:11:00 AM	COD	n/a	=	51	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 3:23:00 PM	Hardness as CaCO3	Total	=	134	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/4/2014 6:47:00 PM	MBAS	n/a	=	0.14	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/19/2014 4:51:00 PM	Phenolics	n/a	=	0.017	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:59:00 PM	Specific Conductance	n/a	=	380	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/4/2014 12:15:00 PM	Total Dissolved Solids	n/a	=	250	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 7:28:00 AM	Total Organic Carbon	n/a	=	8.7	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/7/2014 11:55:00 AM	Total Suspended Solids	n/a	=	110	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/4/2014 8:46:00 PM	Turbidity	n/a	=	26	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/7/2014 11:55:00 AM	Volatile Suspended Solids	n/a	=	19	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 2:09:00 PM	Diesel Range Organics	n/a	=	0.4	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 2:09:00 PM	Oil Range Organics	n/a	DNQ	0.49	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Aluminum	Dissolved	=	28	µg/L	EPA 200.8	2.1	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Aluminum	Total	=	1500	µg/L	EPA 200.8	2.1	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Antimony	Dissolved	=	0.53	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Antimony	Total	=	0.98	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Barium	Total	=	42	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Beryllium	Total	DNQ	0.066	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Cadmium	Dissolved	=	0.23	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Cadmium	Total	=	1	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Chromium	Dissolved	=	1.6	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Chromium	Total	=	6.1	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/4/2014 5:15:00 PM	Chromium VI	n/a	=	1.2	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Copper	Dissolved	=	7.3	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Copper	Total	=	15	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Iron	Dissolved	=	41	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 3:23:00 PM	Iron	Total	=	2300	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Lead	Total	=	3.5	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 3:45:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 3:45:00 PM	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Nickel	Dissolved	=	2.6	µg/L	EPA 200.8	0.091	0.8	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Nickel	Total	=	7.5	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Selenium	Dissolved	=	1.2	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Selenium	Total	=	1.5	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Silver	Dissolved	DNQ	0.017	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Silver	Total	DNQ	0.035	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Thallium	Total	DNQ	0.092	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:02:00 PM	Zinc	Dissolved	=	25	µg/L	EPA 200.8	0.5	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 4:06:00 PM	Zinc	Total	=	78	µg/L	EPA 200.8	0.5	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/12/2014 12:48:00 PM	Ammonia as N	n/a	=	0.25	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:06:00 PM	Nitrate + Nitrite as N	n/a	=	2	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 3:56:00 PM	Phosphorus as P	Dissolved	=	0.51	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/18/2014 7:42:00 PM	Phosphorus as P	Total	=	0.44	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 4:35:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	LB-LCSR
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Benzenidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.6	µg/L	EPA 525.2	1.1	3	WKL	LCSRPD, HB-L
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/13/2014 2:15:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	2,4-D	n/a	=	0.56	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Chlorpyrifos	n/a	DNQ	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	DCPA (Dacthal)	n/a	=	0.11	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/8/2014 11:40:00 AM	Glyphosate	n/a	DNQ	9.4	µg/L	EPA 547	9	25	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Malathion	n/a	=	0.011	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/11/2014 8:35:00 PM	Pentachlorophenol	n/a	=	1.1	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/20/2014 12:36:00 AM	Pentachlorophenol	n/a	DNQ	0.9	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	Pentachlorophenol	n/a	DNQ	0.19	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/6/2014 3:02:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRDP
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/16/2014 5:37:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/5/2014 4:18:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2014/15-2	Wet	12/3/2014 9:55:00 AM	12/15/2014 10:42:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/13/2014 10:30:00 AM	E. Coli	n/a	=	17300	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/14/2014 10:50:00 AM	Fecal Coliform	n/a	=	280000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	325500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/12/2014 12:35:00 AM	Conductivity	n/a	=	2.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/24/2014 3:54:00 PM	Cyanide	Total	=	0.0022	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/12/2014 12:35:00 AM	DO	n/a	=	77.4	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/12/2014 12:35:00 AM	DO	n/a	=	7.56	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/12/2014 12:35:00 AM	pH	n/a	=	7.77	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/12/2014 12:35:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/12/2014 12:35:00 AM	Specific Conductance	n/a	=	2.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/12/2014 12:35:00 AM	Temperature	n/a	=	17	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/17/2014 6:30:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/19/2014 1:10:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 12:35:00 AM	12/19/2014 1:10:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/13/2014 1:36:00 PM	Chloride	n/a	=	11	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/13/2014 1:36:00 PM	Fluoride	n/a	=	0.1	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/13/2014 6:35:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/29/2014 8:55:00 PM	Calcium	Total	=	45.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/29/2014 8:55:00 PM	Magnesium	Total	=	7.77	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 1:15:00 PM	Alkalinity as CaCO3	n/a	=	60	mg/L	SM 2320 B	0.56	10	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/18/2014 11:10:00 AM	BOD	n/a	=	43	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 6:28:00 PM	COD	n/a	=	270	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/29/2014 8:55:00 PM	Hardness as CaCO3	Total	=	146	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/12/2014 9:34:00 PM	MBAS	n/a	DNQ	0.035	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/29/2014 11:07:00 AM	Phenolics	n/a	DNQ	0.0069	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:35:00 PM	Specific Conductance	n/a	=	290	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/18/2014 10:20:00 AM	Total Dissolved Solids	n/a	=	180	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/22/2014 7:50:00 AM	Total Organic Carbon	n/a	=	52	mg/L	SM 5310 C	0.18	6	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/18/2014 12:42:00 PM	Total Suspended Solids	n/a	=	330	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/13/2014 11:25:00 AM	Turbidity	n/a	=	69	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/18/2014 12:42:00 PM	Volatile Suspended Solids	n/a	=	45	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/26/2014 3:07:00 PM	Diesel Range Organics	n/a	DNQ	0.09	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/26/2014 3:07:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 1:07:00 AM	Aluminum	Dissolved	=	11	µg/L	EPA 200.8	2.1	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 2:56:00 AM	Aluminum	Total	=	6200	µg/L	EPA 200.8	2.1	5	WKL	HB-MSR
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 1:07:00 AM	Antimony	Dissolved	=	0.89	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 2:56:00 AM	Antimony	Total	=	2.4	µg/L	EPA 200.8	0.034	0.5	WKL	LB-MSR
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 1:07:00 AM	Arsenic	Dissolved	=	1.5	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 2:56:00 AM	Arsenic	Total	=	8.2	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 2:56:00 AM	Barium	Total	=	200	µg/L	EPA 200.8	0.097	0.5	WKL	HB-MSR
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 1:07:00 AM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 11:35:00 PM	Beryllium	Total	=	0.43	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 1:07:00 AM	Cadmium	Dissolved	=	0.33	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 2:56:00 AM	Cadmium	Total	=	15	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 1:07:00 AM	Chromium	Dissolved	=	0.42	µg/L	EPA 200.8	0.024	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 2:56:00 AM	Chromium	Total	=	25	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/26/2014 12:38:00 PM	Chromium VI	n/a	=	0.38	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 10:26:00 PM	Copper	Dissolved	=	1.5	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 11:35:00 PM	Copper	Total	=	39	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/29/2014 8:53:00 PM	Iron	Dissolved	=	28	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/29/2014 8:55:00 PM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 1:07:00 AM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 2:56:00 AM	Lead	Total	=	11	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 4:07:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 4:07:00 PM	Mercury	Total	DNQ	33	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 1:07:00 AM	Nickel	Dissolved	=	3.4	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 11:35:00 PM	Nickel	Total	=	57	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 1:07:00 AM	Selenium	Dissolved	=	2.2	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 2:56:00 AM	Selenium	Total	=	5	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 1:07:00 AM	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 2:56:00 AM	Silver	Total	=	0.26	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 1:07:00 AM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 2:56:00 AM	Thallium	Total	=	1	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 1:07:00 AM	Zinc	Dissolved	=	6.9	µg/L	EPA 200.8	0.5	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/7/2015 2:56:00 AM	Zinc	Total	=	190	µg/L	EPA 200.8	0.5	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 4:22:00 PM	Ammonia as N	n/a	=	0.16	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/17/2014 4:07:00 PM	Nitrate + Nitrite as N	n/a	=	0.86	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	1/2/2015 4:32:00 PM	Phosphorus as P	Dissolved	=	0.7	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/30/2014 6:06:00 PM	Phosphorus as P	Total	=	0.96	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/30/2014 7:02:00 PM	TKN	n/a	=	2.5	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:48:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Atrazine	n/a	=	0.17	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/15/2014 5:59:00 PM	Glyphosate	n/a	=	7.6	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Malathion	n/a	=	0.014	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/19/2014 8:06:00 AM	Pentachlorophenol	n/a	=	1.1	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 10:07:00 AM	Pentachlorophenol	n/a	DNQ	0.82	µg/L	EPA 8270Cm	0.15	1	WKL	-LCSRPD, HB-L
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	Pentachlorophenol	n/a	DNQ	0.19	µg/L	EPA 515.3	0.04	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/23/2014 7:38:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/27/2014 12:19:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/20/2014 6:10:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2014/15-3	Wet	12/12/2014 10:58:00 AM	12/24/2014 4:13:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/19/2015 4:07:00 PM	Chloride	n/a	=	6.3	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/19/2015 4:07:00 PM	Fluoride	n/a	=	0.1	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/21/2015 6:03:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 12:42:00 PM	Calcium	Total	=	29.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 12:42:00 PM	Magnesium	Total	=	7.53	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/22/2015 11:03:00 AM	Alkalinity as CaCO3	n/a	=	49	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/20/2015 6:20:00 PM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/20/2015 4:34:00 PM	COD	n/a	=	73	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 12:42:00 PM	Hardness as CaCO3	Total	=	105	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/15/2015 8:59:00 PM	MBAS	n/a	=	0.2	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 11:44:00 AM	Phenolics	n/a	=	0.039	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 11:19:00 AM	Specific Conductance	n/a	=	260	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/21/2015 4:55:00 PM	Total Dissolved Solids	n/a	=	180	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/1/2015 3:51:00 PM	Total Organic Carbon	n/a	=	18	mg/L	SM 5310 C	0.09	3	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/20/2015 1:31:00 PM	Total Suspended Solids	n/a	=	96	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/16/2015 2:58:00 PM	Turbidity	n/a	=	37	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/20/2015 1:31:00 PM	Volatile Suspended Solids	n/a	=	23	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Aluminum	Dissolved	=	22	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Aluminum	Total	=	1900	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Antimony	Dissolved	=	0.74	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Antimony	Total	=	1.2	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Arsenic	Dissolved	=	0.86	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Barium	Total	=	39	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Beryllium	Total	DNQ	0.097	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Cadmium	Dissolved	=	0.25	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Cadmium	Total	=	1.2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Chromium	Dissolved	=	0.99	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Chromium	Total	=	7.4	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/20/2015 12:11:00 PM	Chromium VI	n/a	=	0.72	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Copper	Dissolved	=	10	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Copper	Total	=	25	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 12:10:00 PM	Iron	Dissolved	=	38	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/26/2015 12:42:00 PM	Iron	Total	=	3200	µg/L	EPA 200.7	1.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Lead	Dissolved	DNQ	0.085	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Lead	Total	=	4.4	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/21/2015 6:05:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/21/2015 6:05:00 PM	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Nickel	Dissolved	=	2.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Nickel	Total	=	9	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Selenium	Dissolved	=	1.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Selenium	Total	=	2.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Silver	Total	DNQ	0.068	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Thallium	Total	DNQ	0.093	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:02:00 PM	Zinc	Dissolved	=	19	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/27/2015 3:07:00 PM	Zinc	Total	=	90	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/18/2015 4:34:00 PM	Ammonia as N	n/a	=	0.28	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/18/2015 12:12:00 PM	Nitrate + Nitrite as N	n/a	=	1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/28/2015 12:27:00 PM	Phosphorus as P	Dissolved	=	0.17	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/28/2015 11:50:00 AM	Phosphorus as P	Total	=	0.41	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/22/2015 4:20:00 PM	TKN	n/a	=	1.9	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	1,2,4-Trichlorobenzene	n/a	<	1.1	µg/L	EPA 625	1.1	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	1,2-Dichlorobenzene	n/a	<	1.1	µg/L	EPA 625	1.1	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	1,2-Diphenylhydrazine	n/a	<	0.5	µg/L	EPA 625	0.5	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	1,3-Dichlorobenzene	n/a	<	1.1	µg/L	EPA 625	1.1	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	1,4-Dichlorobenzene	n/a	<	1.1	µg/L	EPA 625	1.1	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270Cm	1.4	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	2,4,6-Trichlorophenol	n/a	<	0.44	µg/L	EPA 625	0.44	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270Cm	1.5	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	2,4-Dichlorophenol	n/a	<	0.52	µg/L	EPA 625	0.52	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270Cm	2.6	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	2,4-Dimethylphenol	n/a	<	0.6	µg/L	EPA 625	0.6	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270Cm	5	10	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	2,4-Dinitrophenol	n/a	<	3.2	µg/L	EPA 625	3.2	20	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270Cm	5	10	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	2,4-Dinitrotoluene	n/a	<	0.36	µg/L	EPA 625	0.36	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	2,6-Dinitrotoluene	n/a	<	0.54	µg/L	EPA 625	0.54	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	2-Chloronaphthalene	n/a	<	0.9	µg/L	EPA 625	0.9	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	2-Chlorophenol	n/a	<	0.56	µg/L	EPA 625	0.56	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270Cm	3.2	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270Cm	1.7	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	2-Nitrophenol	n/a	<	0.52	µg/L	EPA 625	0.52	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270Cm	3.6	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	3,3'-Dichlorobenzidine	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	3-4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270Cm	1.5	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270Cm	0.7	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.72	µg/L	EPA 625	0.72	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	4-Chloro-3-methylphenol	n/a	<	0.46	µg/L	EPA 625	0.46	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270Cm	1.8	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.82	µg/L	EPA 625	0.82	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	4-Nitrophenol	n/a	<	0.9	µg/L	EPA 625	0.9	10	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270Cm	5	10	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Acenaphthene	n/a	<	0.76	µg/L	EPA 625	0.76	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Acenaphthylene	n/a	<	0.8	µg/L	EPA 625	0.8	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Anthracene	n/a	<	0.68	µg/L	EPA 625	0.68	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Benz(a)anthracene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Benz(a)anthracene	n/a	<	0.38	µg/L	EPA 625	0.38	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Benzidine	n/a	<	7.3	µg/L	EPA 625	7.3	20	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Benzo(a)pyrene	n/a	<	0.26	µg/L	EPA 625	0.26	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Benzo(b)fluoranthene	n/a	<	0.28	µg/L	EPA 625	0.28	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Benzo(g,h,i)perylene	n/a	<	0.2	µg/L	EPA 625	0.2	4	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Benzo(k)fluoranthene	n/a	<	0.44	µg/L	EPA 625	0.44	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.5	µg/L	EPA 625	0.5	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.54	µg/L	EPA 625	0.54	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.76	µg/L	EPA 625	0.76	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.19	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.7	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	4.6	µg/L	EPA 625	4.6	10	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Butyl benzyl phthalate	n/a	<	0.36	µg/L	EPA 625	0.36	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Chrysene	n/a	<	0.38	µg/L	EPA 625	0.38	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Dibenz(a,h)anthracene	n/a	<	0.16	µg/L	EPA 625	0.16	4	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Diethyl phthalate	n/a	<	0.3	µg/L	EPA 625	0.3	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Dimethyl phthalate	n/a	<	0.36	µg/L	EPA 625	0.36	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Di-n-butylphthalate	n/a	<	0.48	µg/L	EPA 625	0.48	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Di-n-octylphthalate	n/a	<	0.38	µg/L	EPA 625	0.38	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Fluoranthene	n/a	<	0.44	µg/L	EPA 625	0.44	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Fluorene	n/a	<	0.7	µg/L	EPA 625	0.7	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Hexachlorobenzene	n/a	<	0.98	µg/L	EPA 625	0.98	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Hexachlorobutadiene	n/a	<	0.94	µg/L	EPA 625	0.94	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Hexachlorocyclopentadiene	n/a	<	2.9	µg/L	EPA 625	2.9	10	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Hexachloroethane	n/a	<	1	µg/L	EPA 625	1	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.24	µg/L	EPA 625	0.24	4	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Isophorone	n/a	<	0.42	µg/L	EPA 625	0.42	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Naphthalene	n/a	<	0.98	µg/L	EPA 625	0.98	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Nitrobenzene	n/a	<	0.72	µg/L	EPA 625	0.72	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	N-Nitrosodimethylamine	n/a	<	0.28	µg/L	EPA 625	0.28	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.52	µg/L	EPA 625	0.52	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	N-Nitrosodiphenylamine	n/a	<	0.38	µg/L	EPA 625	0.38	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Phenanthrene	n/a	<	0.64	µg/L	EPA 625	0.64	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Phenol	n/a	<	0.32	µg/L	EPA 625	0.32	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270Cm	1.8	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Pyrene	n/a	<	0.5	µg/L	EPA 625	0.5	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/2/2015 12:57:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	2,4-D	n/a	DNQ	0.24	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	2,4-DB	n/a	DNQ	0.55	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Azinphos methyl	n/a	=	0.016	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Bolstar	n/a	DNQ	0.0058	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Chlorpyrifos	n/a	DNQ	0.0093	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Ethoprop	n/a	DNQ	0.0072	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Fensulfothion	n/a	=	0.045	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/18/2015 12:12:00 PM	Glyphosate	n/a	=	19	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Malathion	n/a	=	0.09	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	Pentachlorophenol	n/a	DNQ	0.06	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 3:05:00 AM	Pentachlorophenol	n/a	DNQ	3.6	µg/L	EPA 8270Cm	0.75	5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/6/2015 2:13:00 PM	Pentachlorophenol	n/a	DNQ	1.1	µg/L	EPA 625	0.38	2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	5/29/2015 10:36:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Ronnel (Fenchlorphos)	n/a	DNQ	0.0076	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0075	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2		2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/13/2015 8:12:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/5/2015 1:43:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/15/2015 6:00:00 PM	Trichloronate	n/a	DNQ	0.0081	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2014/15-5	Wet	5/15/2015 8:30:00 AM	6/3/2015 1:19:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/2/2015 1:24:00 PM	Chloride	n/a	=	77	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/2/2015 1:24:00 PM	Fluoride	n/a	=	0.68	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/1/2015 6:35:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 1:39:00 PM	Calcium	Total	=	204	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 1:39:00 PM	Magnesium	Total	=	68.5	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 5:05:00 PM	Alkalinity as CaCO3	n/a	=	280	mg/L	SM 2320 B	0.56	2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 8:40:00 AM	BOD	n/a	=	2.2	mg/L	SM 5210 B	2	2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 8:23:00 AM	COD	n/a	=	5.6	mg/L	EPA 410.4	0.73	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 1:39:00 PM	Hardness as CaCO3	Total	=	792	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/2/2015 5:36:00 PM	MBAS	n/a	DNQ	0.037	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/13/2015 9:47:00 AM	Phenolics	n/a	DNQ	0.0073	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 11:52:00 AM	Specific Conductance	n/a	=	1900	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/6/2015 4:30:00 PM	Total Dissolved Solids	n/a	=	1400	mg/L	SM 2540 C	4	10	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/6/2015 1:56:00 PM	Total Organic Carbon	n/a	=	2.7	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/2/2015 4:06:00 PM	Total Suspended Solids	n/a	DNQ	3	mg/L	SM 2540 D	-88	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/2/2015 5:04:00 PM	Turbidity	n/a	=	1.9	NTU	EPA 180.1	0.024	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/2/2015 4:06:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/9/2015 4:24:00 PM	Diesel Range Organics	n/a	DNQ	0.037	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/9/2015 4:24:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Aluminum	Dissolved	DNQ	2	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Aluminum	Total	=	9.8	µg/L	EPA 200.8	1.3	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Antimony	Dissolved	DNQ	0.24	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Antimony	Total	DNQ	0.23	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Arsenic	Dissolved	=	0.54	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Arsenic	Total	=	0.54	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Barium	Total	=	29	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Cadmium	Dissolved	=	0.21	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Cadmium	Total	=	0.22	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Chromium	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Chromium	Total	DNQ	0.18	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/2/2015 11:43:00 AM	Chromium VI	n/a	=	0.26	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Copper	Dissolved	=	5.4	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Copper	Total	=	6.3	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 1:30:00 PM	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 1:39:00 PM	Iron	Total	=	11	µg/L	EPA 200.7	1.1	10	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/13/2015 4:05:00 PM	Mercury	Dissolved	DNQ	11	ng/L	EPA 245.1	3.9	50	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/13/2015 4:05:00 PM	Mercury	Total	DNQ	13	ng/L	EPA 245.1	3.9	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Nickel	Dissolved	=	1.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Nickel	Total	=	1.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Selenium	Dissolved	=	11	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Selenium	Total	=	11	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 2:36:00 PM	Zinc	Dissolved	DNQ	2.9	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/7/2015 3:47:00 PM	Zinc	Total	DNQ	3.1	µg/L	EPA 200.8	0.94	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/2/2015 10:33:00 AM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/2/2015 11:33:00 AM	Nitrate + Nitrite as N	n/a	=	3.4	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 11:41:00 AM	Phosphorus as P	Dissolved	=	0.077	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 11:18:00 AM	Phosphorus as P	Total	=	0.083	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/13/2015 2:39:00 PM	TKN	n/a	=	1.1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.32	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Diethyl phthalate	n/a	DNQ	0.41	µg/L	EPA 625	0.15	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/15/2015 1:03:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Azinphos methyl	n/a	=	0.012	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Coumaphos	n/a	DNQ	0.0067	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Dimethoate	n/a	=	0.13	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Disulfoton	n/a	DNQ	0.04	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Fensulfotthion	n/a	=	0.052	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/2/2015 1:31:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/10/2015 3:42:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/8/2015 12:42:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 8:45:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 2:37:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Prometon	n/a	DNQ	0.09	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Simazine	n/a	DNQ	0.06	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 9:13:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/14/2015 8:29:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:45:00 AM	7/11/2015 3:01:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/2/2015 8:30:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/4/2015 12:00:00 PM	Fecal Coliform	n/a	<	2	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/2/2015 8:30:00 AM	Total Coliform	n/a	=	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/1/2015 8:55:00 AM	Conductivity	n/a	=	25.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/2/2015 10:26:00 AM	Cyanide	Total	DNQ	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/1/2015 8:55:00 AM	DO	n/a	=	8.46	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/1/2015 8:55:00 AM	DO	n/a	=	95.1	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/1/2015 8:55:00 AM	pH	n/a	=	8.11	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/1/2015 8:55:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/1/2015 8:55:00 AM	Specific Conductance	n/a	=	27	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/1/2015 8:55:00 AM	Temperature	n/a	=	20.6	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/6/2015 6:44:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/6/2015 4:33:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/6/2015 9:55:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-FIL	2014/15-6	Dry	7/1/2015 8:55:00 AM	7/6/2015 9:55:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/20/2015 9:23:54 AM	E. Coli	n/a	=	62	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/20/2015 9:23:54 AM	Total Coliform	n/a	=	3873	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/26/2015 3:31:00 PM	Calcium	Total	=	171	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/26/2015 3:31:00 PM	Magnesium	Total	=	54.4	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/19/2015 10:30:00 AM	Conductivity	n/a	=	1424	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/19/2015 10:30:00 AM	Discharge	n/a	=	0.03	cfs	Field Estimate	-88	-88	Field Crew	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/19/2015 10:30:00 AM	DO	n/a	=	90.1	%	Field Meter	-88	0.1	Field Crew	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/19/2015 10:30:00 AM	DO	n/a	=	7.8	mg/L	Field Meter	-88	0.3	Field Crew	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/26/2015 3:31:00 PM	Hardness as CaCO3	Total	=	650	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/19/2015 10:30:00 AM	pH	n/a	=	8.14	pH Units	Field Meter	-88	0.01	Field Crew	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/19/2015 10:30:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/19/2015 10:30:00 AM	Specific Conductance	n/a	=	1510	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/19/2015 10:30:00 AM	Temperature	n/a	=	22	°C	Field Meter	-88	0.1	Field Crew	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/26/2015 11:01:00 AM	Total Organic Carbon	n/a	=	6.7	mg/L	SM 5310 C	0.036	1.2	WKL	D
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	8/19/2015 10:30:00 AM	Turbidity	n/a	=	4.71	NTU	Field Meter	-88	0.01	Field Crew	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	9/2/2015 1:05:00 PM	Copper	Dissolved	=	19	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	9/2/2015 1:05:00 PM	Lead	Dissolved	DNQ	0.041	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-FIL	2015-DRY	Dry	8/19/2015 10:30:00 AM	9/2/2015 1:05:00 PM	Zinc	Dissolved	DNQ	4.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/1/2014 11:15:00 PM	E. Coli	n/a	=	7300	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/3/2014 9:00:00 AM	Fecal Coliform	n/a	>	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/1/2014 11:15:00 PM	Total Coliform	n/a	=	43500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/1/2014 3:15:00 AM	Conductivity	n/a	=	806	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/7/2014 1:32:00 PM	Cyanide	Total	=	0.025	mg/L	ASTM D7511	0.001	0.004	WKL	D
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/1/2014 3:15:00 AM	DO	n/a	=	56.7	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/1/2014 3:15:00 AM	DO	n/a	=	5.47	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/1/2014 3:15:00 AM	Salinity	n/a	=	500	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/1/2014 3:15:00 AM	Specific Conductance	n/a	=	956	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/1/2014 3:15:00 AM	Temperature	n/a	=	16.9	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/7/2014 8:55:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/5/2014 5:53:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/5/2014 7:20:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 3:15:00 AM	11/5/2014 7:20:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/7/2014 3:20:00 PM	Chloride	n/a	=	1800	mg/L	EPA 300.0	10	50	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/7/2014 3:02:00 PM	Fluoride	n/a	=	0.26	mg/L	EPA 300.0	0.05	0.25	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/7/2014 11:08:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 2:28:00 PM	Calcium	Total	=	129	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 2:28:00 PM	Magnesium	Total	=	119	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/3/2014 3:13:00 PM	Alkalinity as CaCO3	n/a	=	150	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	18	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	220	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 2:28:00 PM	Hardness as CaCO3	Total	=	814	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/2/2014 4:09:00 PM		MBAS	n/a	=	0.21	mg/L	SM 5540 C	0.019	0.05	WKL
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/2/2014 7:05:00 PM	pH	n/a	=	7.42	pH Units	SM 4500-H+ B	0.1	0.1	WKL	EST-HT
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/10/2014 3:47:00 PM	Phenolics	n/a	=	0.02	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/10/2014 6:01:00 PM	Specific Conductance	n/a	=	5400	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	3300	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	42	mg/L	SM 5310 C	0.18	6	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	83	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	52	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	=	28	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 7:35:00 PM	Diesel Range Organics	n/a	=	0.9	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 7:35:00 PM		Oil Range Organics	n/a	=	1	mg/L	EPA 8015B	0.33	0.5	WKL
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 1:08:00 PM	Aluminum	Dissolved	=	20	µg/L	EPA 200.8	2.1	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 1:39:00 PM	Aluminum	Total	=	1300	µg/L	EPA 200.8	2.1	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:34:00 PM		Antimony	Dissolved	=	0.74	µg/L	EPA 200.8	0.034	0.5	WKL
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:39:00 PM	Antimony	Total	=	1.5	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:34:00 PM		Arsenic	Dissolved	=	1.7	µg/L	EPA 200.8	0.13	0.4	WKL
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:39:00 PM	Arsenic	Total	=	3.6	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:39:00 PM		Barium	Total	=	61	µg/L	EPA 200.8	0.097	0.5	WKL
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:34:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:39:00 PM		Total	=	0.11	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:34:00 PM	Cadmium	Dissolved	DNQ	0.096	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:39:00 PM		Total	=	0.46	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:34:00 PM	Chromium	Dissolved	=	0.59	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:39:00 PM		Total	=	4.8	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/5/2014 4:00:00 PM	Chromium VI	n/a	DNQ	0.049	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 1:08:00 PM		Copper	Dissolved	=	2.9	µg/L	EPA 200.8	0.036	0.5	WKL
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 1:39:00 PM	Copper	Total	=	20	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 2:05:00 PM		Iron	Dissolved	=	760	µg/L	EPA 200.7	1.1	10	WKL
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 2:28:00 PM	Iron	Total	=	6000	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:34:00 PM		Lead	Dissolved	=	0.51	µg/L	EPA 200.8	0.024	0.2	WKL
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:39:00 PM	Lead	Total	=	6.7	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:43:00 PM		Mercury	Dissolved	DNQ	7	ng/L	EPA 245.1	3.9	50	WKL
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:43:00 PM	Mercury	Total	DNQ	22	ng/L	EPA 245.1	3.9	50	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:34:00 PM		Nickel	Dissolved	=	7.2	µg/L	EPA 200.8	0.091	0.8	WKL
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:39:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:34:00 PM		Selenium	Dissolved	=	0.7	µg/L	EPA 200.8	0.081	0.4	WKL
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:39:00 PM	Selenium	Total	=	0.96	µg/L	EPA 200.8	0.081	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:34:00 PM	Silver	Dissolved	DNQ	0.032	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:39:00 PM	Silver	Total	=	0.34	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:34:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:39:00 PM	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:34:00 PM	Zinc	Dissolved	=	49	µg/L	EPA 200.8	0.5	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/12/2014 7:39:00 PM	Zinc	Total	=	150	µg/L	EPA 200.8	0.5	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	1.4	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/3/2014 5:12:00 PM	Nitrate + Nitrite as N	n/a	=	1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/14/2014 5:32:00 PM	Phosphorus as P	Dissolved	=	0.26	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/7/2014 8:25:00 PM	Phosphorus as P	Total	=	0.66	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/17/2014 2:10:00 PM	TKN	n/a	=	4.5	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	1-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	2,4,5-Trichlorophenol	n/a	<	1.4	µg/L	EPA 8270Cm	1.4	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	2,4,6-Trichlorophenol	n/a	<	1.5	µg/L	EPA 8270Cm	1.5	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 8270Cm	2.6	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	2,4-Dimethylphenol	n/a	<	5	µg/L	EPA 8270Cm	5	10	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	2,4-Dinitrophenol	n/a	<	5	µg/L	EPA 8270Cm	5	10	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	2-Chlorophenol	n/a	<	3.2	µg/L	EPA 8270Cm	3.2	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	2-Methylnaphthalene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	2-Methylphenol	n/a	<	1.7	µg/L	EPA 8270Cm	1.7	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	2-Nitrophenol	n/a	<	3.6	µg/L	EPA 8270Cm	3.6	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	3-/4-Methylphenol	n/a	<	1.5	µg/L	EPA 8270Cm	1.5	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.7	µg/L	EPA 8270Cm	0.7	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	4-Chloro-3-methylphenol	n/a	<	1.8	µg/L	EPA 8270Cm	1.8	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	4-Nitrophenol	n/a	<	5	µg/L	EPA 8270Cm	5	10	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Acenaphthene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Acenaphthylene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Anthracene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Benzo(a)anthracene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Benzo(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Benzo(a)pyrene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Benzo(b)fluoranthene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Benzo(g,h,i)perylene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Benzo(k)fluoranthene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Chrysene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Dibenz(a,h)anthracene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Dimethyl phthalate	n/a	=	6.5	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Fluoranthene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Fluorene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Naphthalene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Phenanthrene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	Phenol	n/a	<	1.8	µg/L	EPA 8270Cm	1.8	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/8/2014 3:11:00 AM	Pyrene	n/a	<	0.5	µg/L	EPA 8270Cm	0.5	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	Dicamba	n/a	DNQ	0.19	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2m	0.024	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/3/2014 7:00:00 PM	Glyphosate	n/a	<	3.6	µg/L	EPA 547	3.6	10	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Malathion	n/a	=	0.03	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	Pentachlorophenol	n/a	DNQ	0.16	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/11/2014 5:49:00 AM	Pentachlorophenol	n/a	DNQ	0.76	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 3:15:00 AM	Pentachlorophenol	n/a	<	0.75	µg/L	EPA 8270Cm	0.75	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/13/2014 11:23:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 5:00:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/20/2014 6:27:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2014/15-1	Wet	11/1/2014 11:55:00 AM	11/6/2014 8:43:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	113700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/14/2014 10:15:00 AM	Fecal Coliform	n/a	=	350000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	579400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/12/2014 1:40:00 AM	Conductivity	n/a	=	2134	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/24/2014 3:54:00 PM	Cyanide	Total	=	0.031	mg/L	ASTM D7511	0.001	0.004	WKL	D
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/12/2014 1:40:00 AM	DO	n/a	=	77.4	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/12/2014 1:40:00 AM	DO	n/a	=	7.93	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/12/2014 1:40:00 AM	pH	n/a	=	7.78	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/12/2014 1:40:00 AM	Salinity	n/a	=	1400	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/12/2014 1:40:00 AM	Specific Conductance	n/a	=	2699	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/12/2014 1:40:00 AM	Temperature	n/a	=	14.8	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/17/2014 7:30:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/19/2014 2:11:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 1:40:00 AM	12/19/2014 2:11:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/13/2014 4:01:00 PM	Chloride	n/a	=	410	mg/L	EPA 300.0	2.5	12	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/13/2014 3:33:00 PM	Fluoride	n/a	DNQ	0.039	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/16/2014 8:30:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 7:34:00 PM	Calcium	Total	=	41.2	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 7:34:00 PM	Magnesium	Total	=	32.6	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 1:15:00 PM	Alkalinity as CaCO3	n/a	=	59	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/18/2014 11:10:00 AM	BOD	n/a	=	8	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/19/2014 6:28:00 PM	COD	n/a	=	85	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 7:34:00 PM	Hardness as CaCO3	Total	=	237	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/12/2014 9:34:00 PM	MBAS	n/a	DNQ	0.066	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/29/2014 10:54:00 AM	Phenolics	n/a	=	0.05	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 12:35:00 PM	Specific Conductance	n/a	=	1600	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/18/2014 10:20:00 AM	Total Dissolved Solids	n/a	=	810	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/22/2014 11:51:00 AM	Total Organic Carbon	n/a	=	5.6	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/18/2014 12:42:00 PM	Total Suspended Solids	n/a	=	190	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/13/2014 11:25:00 AM	Turbidity	n/a	=	18	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/18/2014 12:42:00 PM	Volatile Suspended Solids	n/a	=	51	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/26/2014 5:38:00 PM	Diesel Range Organics	n/a	DNQ	0.092	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/26/2014 5:38:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 2:37:00 AM	Aluminum	Dissolved	=	6.2	µg/L	EPA 200.8	2.1	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 3:40:00 AM	Aluminum	Total	=	2400	µg/L	EPA 200.8	2.1	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 2:37:00 AM	Antimony	Dissolved	DNQ	0.27	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 3:40:00 AM	Antimony	Total	=	0.61	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 2:37:00 AM	Arsenic	Dissolved	=	0.47	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 3:40:00 AM	Arsenic	Total	=	3.2	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 3:40:00 AM	Barium	Total	=	62	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/7/2015 3:48:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/7/2015 4:32:00 PM	Beryllium	Total	=	0.12	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 2:37:00 AM	Cadmium	Dissolved	DNQ	0.02	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 3:40:00 AM	Cadmium	Total	=	0.57	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 2:37:00 AM	Chromium	Dissolved	DNQ	0.14	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 3:40:00 AM	Chromium	Total	=	6.6	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/26/2014 2:52:00 PM	Chromium VI	n/a	=	0.06	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/7/2015 3:48:00 PM	Copper	Dissolved	=	1.2	µg/L	EPA 200.8	0.036	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/7/2015 4:32:00 PM	Copper	Total	=	20	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 7:31:00 PM	Iron	Dissolved	=	81	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 7:34:00 PM	Iron	Total	=	9800	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 2:37:00 AM	Lead	Dissolved	DNQ	0.08	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 3:40:00 AM	Lead	Total	=	14	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 4:10:00 PM	Mercury	Dissolved	DNQ	17	ng/L	EPA 245.1	3.9	50	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 4:10:00 PM	Mercury	Total	DNQ	45	ng/L	EPA 245.1	3.9	50	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 2:37:00 AM	Nickel	Dissolved	DNQ	0.78	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 3:40:00 AM	Nickel	Total	=	7.4	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 2:37:00 AM	Selenium	Dissolved	DNQ	0.13	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 3:40:00 AM	Selenium	Total	=	0.49	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 2:37:00 AM	Silver	Dissolved	DNQ	0.02	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 3:40:00 AM	Silver	Total	DNQ	0.19	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 2:37:00 AM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 3:40:00 AM	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 2:37:00 AM	Zinc	Dissolved	=	5.6	µg/L	EPA 200.8	0.5	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/6/2015 3:40:00 AM	Zinc	Total	=	120	µg/L	EPA 200.8	0.5	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/29/2014 7:29:00 PM	Ammonia as N	n/a	=	0.34	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/17/2014 4:48:00 PM	Nitrate + Nitrite as N	n/a	=	0.29	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/9/2015	Phosphorus as P	Dissolved	=	0.49	mg/L	EPA 365.1	0.007	0.05	WKL	HB-MSR
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/30/2014 6:16:00 PM	Phosphorus as P	Total	=	0.62	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/5/2015 3:10:00 PM	TKN	n/a	=	3.1	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Benzo(b)fluoranthene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Dimethyl phthalate	n/a	=	5.6	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 10:33:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	Dichlorprop	n/a	=	0.36	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/15/2014 5:59:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Malathion	n/a	=	0.053	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	Pentachlorophenol	n/a	DNQ	0.095	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 12:08:00 AM	Pentachlorophenol	n/a	=	1	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/20/2014 12:35:00 PM	Pentachlorophenol	n/a	DNQ	0.72	µg/L	EPA 8270Cm	0.15	1	WKL	LCSRPD, HB-L
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	1/3/2015 6:32:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/27/2014 2:52:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/23/2014 6:34:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2014/15-3	Wet	12/12/2014 11:45:00 AM	12/24/2014 6:15:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/3/2015 10:31:00 AM	Chloride	n/a	=	9400	mg/L	EPA 300.0	20	100	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 1:56:00 PM	Fluoride	n/a	DNQ	0.067	mg/L	EPA 300.0	0.05	0.25	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 2:10:00 PM	Perchlorate	n/a	<	24	µg/L	EPA 314.0	24	50	WCLA	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 8:30:00 AM	E. Coli	n/a	=	512	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/4/2015 12:00:00 PM	Fecal Coliform	n/a	>	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 8:30:00 AM	Total Coliform	n/a	=	111990	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 1:41:00 PM	Calcium	Total	=	299	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 1:41:00 PM	Magnesium	Total	=	523	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 2:35:00 PM	Alkalinity as CaCO3	n/a	=	240	mg/L	SM 2320 B	0.56	10	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 2:40:00 PM	BOD	n/a	=	2	mg/L	SM 5210 B	2	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 8:23:00 AM	COD	n/a	=	660	mg/L	EPA 410.4	0.73	5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/1/2015 10:25:00 AM	Conductivity	n/a	=	11580	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 10:26:00 AM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/1/2015 10:25:00 AM	DO	n/a	=	184.6	%	Field Meter	-88	0.1	Field Crew	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/1/2015 10:25:00 AM	DO	n/a	=	15.37	mg/L	Field Meter	-88	0.3	Field Crew	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 1:41:00 PM	Hardness as CaCO3	Total	=	2900	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 5:36:00 PM	MBAS	n/a	=	0.1	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/1/2015 10:25:00 AM	pH	n/a	=	8.14	pH Units	Field Meter	-88	0.01	Field Crew	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/13/2015 9:48:00 AM	Phenolics	n/a	DNQ	0.0053	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/1/2015 10:25:00 AM	Salinity	n/a	=	6900	mg/L	Field Meter	-88	100	Field Crew	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/1/2015 10:25:00 AM	Specific Conductance	n/a	=	12050	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/9/2015 9:28:00 AM	Specific Conductance	n/a	=	26000	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/1/2015 10:25:00 AM	Temperature	n/a	=	22.8	°C	Field Meter	-88	0.1	Field Crew	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/6/2015 4:30:00 PM	Total Dissolved Solids	n/a	=	17000	mg/L	SM 2540 C	4	10	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/6/2015 1:56:00 PM	Total Organic Carbon	n/a	=	1.9	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 4:06:00 PM	Total Suspended Solids	n/a	=	15	mg/L	SM 2540 D	-88	5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 5:04:00 PM	Turbidity	n/a	=	44	NTU	EPA 180.1	0.024	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 4:06:00 PM	Volatile Suspended Solids	n/a	=	6	mg/L	EPA 160.4	3.1	5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/9/2015 4:59:00 PM	Diesel Range Organics	n/a	DNQ	0.092	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/6/2015 7:15:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/6/2015 4:33:00 PM	Oil and Grease	n/a	DNQ	2.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/9/2015 4:59:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Aluminum	Dissolved	<	6.5	µg/L	EPA 200.8	6.5	25	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Aluminum	Total	DNQ	7.2	µg/L	EPA 200.8	6.5	25	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Antimony	Dissolved	<	0.22	µg/L	EPA 200.8	0.22	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Antimony	Total	<	0.22	µg/L	EPA 200.8	0.22	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Arsenic	Dissolved	=	2.6	µg/L	EPA 200.8	0.37	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Arsenic	Total	=	4.4	µg/L	EPA 200.8	0.37	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Barium	Total	=	140	µg/L	EPA 200.8	0.36	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Beryllium	Dissolved	<	0.16	µg/L	EPA 200.8	0.16	0.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Beryllium	Total	<	0.16	µg/L	EPA 200.8	0.16	0.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Cadmium	Dissolved	<	0.2	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Cadmium	Total	DNQ	0.2	µg/L	EPA 200.8	0.2	0.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Chromium	Dissolved	<	0.18	µg/L	EPA 200.8	0.18	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Chromium	Total	<	0.18	µg/L	EPA 200.8	0.18	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 11:55:00 AM	Chromium VI	n/a	<	0.0048	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Copper	Dissolved	<	0.65	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Copper	Total	<	0.65	µg/L	EPA 200.8	0.65	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 1:33:00 PM	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 1:41:00 PM	Iron	Total	=	3500	µg/L	EPA 200.7	1.1	10	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Lead	Dissolved	<	0.16	µg/L	EPA 200.8	0.16	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Lead	Total	<	0.16	µg/L	EPA 200.8	0.16	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/13/2015 4:05:00 PM	Mercury	Dissolved	DNQ	14	ng/L	EPA 245.1	3.9	50	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/13/2015 4:05:00 PM	Mercury	Total	DNQ	15	ng/L	EPA 245.1	3.9	50	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Nickel	Dissolved	DNQ	2.1	µg/L	EPA 200.8	0.22	4	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Nickel	Total	DNQ	2.2	µg/L	EPA 200.8	0.22	4	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Selenium	Dissolved	<	0.7	µg/L	EPA 200.8	0.7	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Selenium	Total	<	0.7	µg/L	EPA 200.8	0.7	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Silver	Dissolved	<	0.31	µg/L	EPA 200.8	0.31	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Silver	Total	<	0.31	µg/L	EPA 200.8	0.31	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Thallium	Dissolved	<	0.07	µg/L	EPA 200.8	0.07	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Thallium	Total	<	0.07	µg/L	EPA 200.8	0.07	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:31:00 PM	Zinc	Dissolved	<	4.7	µg/L	EPA 200.8	4.7	25	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/7/2015 3:55:00 PM	Zinc	Total	<	4.7	µg/L	EPA 200.8	4.7	25	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 10:33:00 AM	Ammonia as N	n/a	=	1.2	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 11:35:00 AM	Nitrate + Nitrite as N	n/a	DNQ	0.056	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 11:42:00 AM	Phosphorus as P	Dissolved	=	0.15	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 11:22:00 AM	Phosphorus as P	Total	=	0.77	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/13/2015 2:39:00 PM	TKN	n/a	=	1.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/6/2015 10:23:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Benz(a)anthracene	n/a	=	0.2	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Benzo(a)pyrene	n/a	=	0.31	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Benzo(b)fluoranthene	n/a	=	0.35	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Benzo(g,h,i)perylene	n/a	=	0.2	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Benzo(k)fluoranthene	n/a	=	0.25	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.33	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Chrysene	n/a	=	0.18	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Dibenz(a,h)anthracene	n/a	=	0.11	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Diethyl phthalate	n/a	DNQ	0.16	µg/L	EPA 625	0.15	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Dimethyl phthalate	n/a	=	7.2	µg/L	EPA 625	0.18	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Indeno(1,2,3-cd)pyrene	n/a	=	0.27	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/6/2015 10:23:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/15/2015 1:39:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Disulfoton	n/a	DNQ	0.05	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 8:58:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Fensulfothion	n/a	=	0.01	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/2/2015 2:24:00 PM	Glyphosate	n/a	<	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/8/2015 1:12:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/10/2015 4:11:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:12:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Prometryn	n/a	=	0.14	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 9:44:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/14/2015 8:58:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-HUE	2014/15-6	Dry	7/1/2015 10:25:00 AM	7/11/2015 3:28:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 10:38:00 PM	Chloride	n/a	=	13	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 10:38:00 PM	Fluoride	n/a	=	1.2	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 12:08:00 AM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/1/2014 11:15:00 PM	E. Coli	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/4/2014 10:30:00 AM	Fecal Coliform	n/a	=	79000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/1/2014 11:15:00 PM	Total Coliform	n/a	=	35900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 11:25:00 AM	Calcium	Total	=	39.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 11:25:00 AM	Magnesium	Total	=	14	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:45:00 PM	Alkalinity as CaCO3	n/a	=	80	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	57	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	720	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/1/2014 12:55:00 AM	Conductivity	n/a	=	155.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 4:28:00 PM	Cyanide	Total	=	0.0036	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/1/2014 12:55:00 AM	DO	n/a	=	76.8	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/1/2014 12:55:00 AM	DO	n/a	=	7.44	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 11:25:00 AM	Hardness as CaCO3	Total	=	156	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/2/2014 4:09:00 PM	MBAS	n/a	=	0.46	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/2/2014 7:05:00 PM	pH	n/a	=	6.85	pH Units	SM 4500-H+ B	0.1	0.1	WKL	EST-HT
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:35:00 PM	Phenolics	n/a	=	0.13	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/1/2014 12:55:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/1/2014 12:55:00 AM	Specific Conductance	n/a	=	184	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 2:43:00 PM	Specific Conductance	n/a	=	260	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/1/2014 12:55:00 AM	Temperature	n/a	=	16.9	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	320	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	140	mg/L	SM 5310 C	0.9	30	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	1400	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	100	NTU	EPA 180.1	0.024	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	=	260	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 3:34:00 PM	Diesel Range Organics	n/a	=	2.5	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 6:24:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 4:44:00 PM	Oil and Grease	n/a	DNQ	1.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 3:34:00 PM	Oil Range Organics	n/a	=	2	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Aluminum	Dissolved	=	150	µg/L	EPA 200.8	2.1	5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 3:16:00 PM	Aluminum	Total	=	17000	µg/L	EPA 200.8	21	50	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Antimony	Dissolved	=	0.73	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Antimony	Total	=	1.5	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Arsenic	Dissolved	=	1.8	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Arsenic	Total	=	4.8	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Barium	Total	=	300	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Beryllium	Dissolved	DNQ	0.023	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Beryllium	Total	=	0.62	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Cadmium	Dissolved	=	0.11	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Cadmium	Total	=	0.88	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Chromium	Total	=	34	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/4/2014 4:46:00 PM	Chromium VI	n/a	=	0.3	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Copper	Dissolved	=	16	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Copper	Total	=	72	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 11:10:00 AM	Iron	Dissolved	=	170	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 11:25:00 AM	Iron	Total	=	21000	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Lead	Dissolved	=	2.1	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Lead	Total	=	39	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 6:38:00 PM	Mercury	Dissolved	DNQ	12	ng/L	EPA 245.1	3.9	50	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 6:38:00 PM	Mercury	Total	=	54	ng/L	EPA 245.1	3.9	50	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Nickel	Dissolved	=	12	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Nickel	Total	=	62	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Selenium	Dissolved	DNQ	0.33	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Selenium	Total	=	0.7	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Silver	Dissolved	DNQ	0.029	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Silver	Total	DNQ	0.17	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Thallium	Total	DNQ	0.17	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 12:57:00 PM	Zinc	Dissolved	=	130	µg/L	EPA 200.8	0.5	5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/10/2014 1:01:00 PM	Zinc	Total	=	550	µg/L	EPA 200.8	0.5	5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	2	mg/L	EPA 350.1	0.19	0.4	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/3/2014 4:51:00 PM	Nitrate + Nitrite as N	n/a	=	2.1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/14/2014 5:39:00 PM	Phosphorus as P	Dissolved	=	2	mg/L	EPA 365.1	0.028	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 8:10:00 PM	Phosphorus as P	Total	=	2.9	mg/L	EPA 365.1	0.028	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 5:27:00 PM	TKN	n/a	=	12	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 2:17:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	3-/4-Methylphenol	n/a	DNQ	0.72	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Diethyl phthalate	n/a	DNQ	0.3	µg/L	EPA 625	0.15	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 2:17:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 PM	Phenol	n/a	DNQ	0.45	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/7/2014 10:44:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	Dicamba	n/a	DNQ	0.28	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 5:18:00 PM	Glyphosate	n/a	=	50	µg/L	EPA 547	9	25	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Malathion	n/a	=	0.11	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Molinat	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/11/2014 1:46:00 AM	Pentachlorophenol	n/a	=	1.2	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/12/2014 11:20:00 AM	Pentachlorophenol	n/a	=	2.1	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	Pentachlorophenol	n/a	=	0.78	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Phorata	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/13/2014 5:00:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRDP
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/5/2014 9:51:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/19/2014 6:23:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2014/15-1	Wet	11/1/2014 12:55:00 AM	11/6/2014 5:27:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/3/2014 8:00:00 AM	E. Coli	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/4/2014 10:02:00 AM	Fecal Coliform	n/a	=	33000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/3/2014 8:00:00 AM	Total Coliform	n/a	=	45000	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/2/2014 11:15:00 AM	Conductivity	n/a	=	48.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/12/2014 5:40:00 PM	Cyanide	Total	DNQ	0.00061	mg/L	ASTM D7511	0.00048	0.002	WKL	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/2/2014 11:15:00 AM	DO	n/a	=	9.69	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/2/2014 11:15:00 AM	DO	n/a	=	93.4	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/2/2014 11:15:00 AM	pH	n/a	=	7.75	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/2/2014 11:15:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/2/2014 11:15:00 AM	Specific Conductance	n/a	=	64.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/2/2014 11:15:00 AM	Temperature	n/a	=	14	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/9/2014 3:16:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/6/2014 3:15:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/7/2014 10:39:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2014/15-2	Wet	12/2/2014 11:15:00 AM	12/7/2014 10:39:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 3:14:00 PM	Chloride	n/a	=	7.2	mg/L	EPA 300.0	0.1	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 3:14:00 PM	Fluoride	n/a	DNQ	0.075	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/5/2014 1:23:00 AM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Calcium	Total	=	14.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Magnesium	Total	=	4.01	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 8:11:00 AM	COD	n/a	=	100	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Hardness as CaCO3	Total	=	51.7	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/4/2014 6:47:00 PM	MBAS	n/a	=	0.1	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/10/2014 8:50:00 AM	Total Dissolved Solids	n/a	=	91	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 6:50:00 PM	Total Suspended Solids	n/a	=	150	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 12:39:00 PM	Diesel Range Organics	n/a	=	0.29	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 12:39:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Aluminum	Dissolved	=	75	µg/L	EPA 200.8	2.1	5	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Aluminum	Total	=	3500	µg/L	EPA 200.8	2.1	5	WKL	HB-MSR
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Antimony	Dissolved	DNQ	0.28	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Antimony	Total	DNQ	0.49	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Arsenic	Dissolved	=	0.89	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Arsenic	Total	=	1.6	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Barium	Total	=	61	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Beryllium	Total	=	0.11	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Cadmium	Dissolved	DNQ	0.033	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Cadmium	Total	=	0.18	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Chromium	Dissolved	=	0.78	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Chromium	Total	=	8	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/5/2014 6:03:00 PM	Chromium VI	n/a	=	0.42	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Copper	Dissolved	=	9.6	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Copper	Total	=	18	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 2:50:00 PM	Iron	Dissolved	=	130	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Iron	Total	=	3900	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Lead	Dissolved	=	0.46	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Lead	Total	=	6.2	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 3:45:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 3:45:00 PM	Mercury	Total	DNQ	9	ng/L	EPA 245.1	3.9	50	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Nickel	Dissolved	=	2.6	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Nickel	Total	=	13	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Selenium	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Selenium	Total	DNQ	0.21	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Silver	Dissolved	DNQ	0.013	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Silver	Total	DNQ	0.025	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Thallium	Total	DNQ	0.039	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:10:00 PM	Zinc	Dissolved	=	19	µg/L	EPA 200.8	0.5	5	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/12/2014 3:15:00 PM	Zinc	Total	=	77	µg/L	EPA 200.8	0.5	5	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/17/2014 5:29:00 PM	Ammonia as N	n/a	=	0.2	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/16/2014 4:59:00 PM	Nitrate + Nitrite as N	n/a	=	1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 3:40:00 PM	Phosphorus as P	Dissolved	=	0.35	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/18/2014 7:39:00 PM	Phosphorus as P	Total	=	0.58	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/16/2014 4:35:00 PM	TKN	n/a	=	1.9	mg/L	EPA 351.2	0.05	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.2	µg/L	EPA 525.2	1.1	3	WKL	LCSRPD, HB-L
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	DCPA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Malathion	n/a	=	0.025	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	Pentachlorophenol	n/a	=	0.3	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/6/2014 1:20:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/9/2014 2:14:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2014/15-2	Wet	12/3/2014 10:23:00 AM	12/15/2014 9:28:00 PM	Triithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/15/2014 9:00:00 AM	Fecal Coliform	n/a	=	240000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	613100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/12/2014 12:40:00 AM	Conductivity	n/a	=	101	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/24/2014 3:54:00 PM	Cyanide	Total	DNQ	0.0013	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/12/2014 12:40:00 AM	DO	n/a	=	10.67	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/12/2014 12:40:00 AM	DO	n/a	=	106.4	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/12/2014 12:40:00 AM	pH	n/a	=	7.52	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/12/2014 12:40:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/12/2014 12:40:00 AM	Specific Conductance	n/a	=	123	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/12/2014 12:40:00 AM	Temperature	n/a	=	15.2	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/17/2014 4:31:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/19/2014 11:38:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 12:40:00 AM	12/19/2014 11:38:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/13/2014 12:26:00 PM	Chloride	n/a	=	8	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/13/2014 12:26:00 PM	Fluoride	n/a	DNQ	0.037	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/13/2014 5:30:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 8:40:00 PM	Calcium	Total	=	16.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 8:40:00 PM	Magnesium	Total	=	8.65	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 12:16:00 PM	Alkalinity as CaCO3	n/a	=	33	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/18/2014 11:10:00 AM	BOD	n/a	=	9.5	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:28:00 PM	COD	n/a	=	92	mg/L	EPA 410.4	0.73	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 8:40:00 PM	Hardness as CaCO3	Total	=	76.5	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/12/2014 9:34:00 PM	MBAS	n/a	DNQ	0.03	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 11:03:00 AM	Phenolics	n/a	=	0.045	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 5:41:00 PM	Specific Conductance	n/a	=	140	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/17/2014 9:20:00 AM	Total Dissolved Solids	n/a	=	110	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/22/2014 7:50:00 AM	Total Organic Carbon	n/a	=	13	mg/L	SM 5310 C	0.09	3	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/18/2014 12:42:00 PM	Total Suspended Solids	n/a	=	410	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/12/2014 9:18:00 PM	Turbidity	n/a	=	180	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/18/2014 12:42:00 PM	Volatile Suspended Solids	n/a	=	50	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/18/2014 9:14:00 PM	Diesel Range Organics	n/a	DNQ	0.085	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/18/2014 9:14:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Aluminum	Dissolved	=	65	µg/L	EPA 200.8	2.1	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 11:20:00 PM	Aluminum	Total	=	11000	µg/L	EPA 200.8	4.2	10	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Antimony	Dissolved	DNQ	0.21	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 2:01:00 AM	Antimony	Total	DNQ	0.33	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 2:01:00 AM	Arsenic	Total	=	2.6	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 2:01:00 AM	Barium	Total	=	170	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 2:01:00 AM	Beryllium	Total	=	0.43	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Cadmium	Dissolved	DNQ	0.03	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 2:01:00 AM	Cadmium	Total	=	0.32	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Chromium	Dissolved	=	0.5	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 2:01:00 AM	Chromium	Total	=	27	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 12:01:00 PM	Chromium VI	n/a	=	0.14	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Copper	Dissolved	=	5.7	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 11:20:00 PM	Copper	Total	=	26	µg/L	EPA 200.8	0.072	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 8:37:00 PM	Iron	Dissolved	=	200	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/29/2014 8:40:00 PM	Iron	Total	=	14000	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Lead	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 2:01:00 AM	Lead	Total	=	13	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 4:07:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 4:07:00 PM	Mercury	Total	DNQ	27	ng/L	EPA 245.1	3.9	50	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Nickel	Dissolved	=	2.3	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 2:01:00 AM	Nickel	Total	=	44	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Selenium	Dissolved	<	0.081	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 2:01:00 AM	Selenium	Total	DNQ	0.17	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 2:01:00 AM	Silver	Total	DNQ	0.05	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 2:01:00 AM	Thallium	Total	DNQ	0.1	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 12:12:00 AM	Zinc	Dissolved	=	6.4	µg/L	EPA 200.8	0.5	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/7/2015 2:01:00 AM	Zinc	Total	=	120	µg/L	EPA 200.8	0.5	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 4:22:00 PM	Ammonia as N	n/a	=	0.31	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/17/2014 4:00:00 PM	Nitrate + Nitrite as N	n/a	=	0.75	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	1/2/2015 4:49:00 PM	Phosphorus as P	Dissolved	=	0.73	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/30/2014 6:02:00 PM	Phosphorus as P	Total	=	1.1	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/30/2014 7:02:00 PM	TKN	n/a	=	3.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	2-Chloronaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.9	µg/L	EPA 625	2.3	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 6:09:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 5:55:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 5:55:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 5:55:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 5:55:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 5:55:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 5:55:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 5:55:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 5:55:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/12/2014 11:30:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 5:55:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 5:55:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 5:55:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/15/2014 5:59:00 PM	Glyphosate	n/a	=	7.3	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 5:55:00 AM	Pentachlorophenol	n/a	DNQ	0.19	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/19/2014 6:36:00 AM	Pentachlorophenol	n/a	=	1.1	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 8:38:00 AM	Pentachlorophenol	n/a	DNQ	0.95	µg/L	EPA 8270Cm	0.15	1	WKL	LCSRPD, HB-L
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/23/2014 4:56:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 11:30:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Toxothion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/26/2014 10:48:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/20/2014 4:56:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2014/15-3	Wet	12/12/2014 11:30:00 AM	12/24/2014 2:59:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/8/2015 1:00:00 PM	E. Coli	n/a	=	21100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/9/2015 7:40:00 PM	Fecal Coliform	n/a	=	50000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/8/2015 1:00:00 PM	Total Coliform	n/a	=	488400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/7/2015 3:00:00 PM	Conductivity	n/a	=	181.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/14/2015 3:47:00 PM	Cyanide	Total	=	0.0024	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/7/2015 3:00:00 PM	DO	n/a	=	91.6	%	Field Meter	-88	0.1	Field Crew	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/7/2015 3:00:00 PM	DO	n/a	=	8.9	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/7/2015 3:00:00 PM	pH	n/a	=	6.82	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/7/2015 3:00:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/7/2015 3:00:00 PM	Specific Conductance	n/a	=	215.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/7/2015 3:00:00 PM	Temperature	n/a	=	17	°C	Field Meter	-88	0.1	Field Crew	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/14/2015 7:28:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/9/2015 6:11:00 PM	Oil and Grease	n/a	=	10	mg/L	EPA 1664A	1.3	5	WKL	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/13/2015 10:26:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MEI	2014/15-4	Wet	4/7/2015 3:00:00 PM	4/13/2015 10:26:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/9/2015 1:26:00 PM	Chloride	n/a	=	15	mg/L	EPA 300.0	1	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/9/2015 1:26:00 PM	Fluoride	n/a	=	1.7	mg/L	EPA 300.0	0.2	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/10/2015 12:46:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 11:27:00 AM	Calcium	Total	=	21.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 11:27:00 AM	Magnesium	Total	=	5.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/10/2015 4:30:00 PM	Alkalinity as CaCO3	n/a	=	36	mg/L	SM 2320 B	0.56	2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 12:23:00 PM	BOD	n/a	=	47	mg/L	SM 5210 B	2	2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/13/2015 4:40:00 PM	COD	n/a	=	480	mg/L	EPA 410.4	0.73	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 11:27:00 AM	Hardness as CaCO3	Total	=	78.4	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/9/2015 6:25:00 PM	MBAS	n/a	=	0.71	mg/L	SM 5540 C		0.038	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/23/2015 9:33:00 AM	Phenolics	n/a	=	0.081	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/11/2015 11:30:00 AM	Specific Conductance	n/a	=	220	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/13/2015 10:30:00 AM	Total Dissolved Solids	n/a	=	190	mg/L	SM 2540 C	4	10	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/10/2015 10:17:00 AM	Total Organic Carbon	n/a	=	82	mg/L	SM 5310 C	0.36	12	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/13/2015 12:48:00 PM	Total Suspended Solids	n/a	=	310	mg/L	SM 2540 D	-88	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/9/2015 12:26:00 PM	Turbidity	n/a	=	60	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/13/2015 12:48:00 PM	Volatile Suspended Solids	n/a	=	110	mg/L	EPA 160.4	3.1	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/18/2015 6:09:00 PM	Diesel Range Organics	n/a	=	1.8	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/21/2015 10:12:00 PM	Oil Range Organics	n/a	=	0.88	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/20/2015 4:24:00 PM	Aluminum	Dissolved	=	62	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/20/2015 4:29:00 PM	Aluminum	Total	=	2400	µg/L	EPA 200.8	1.3	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:35:00 PM	Antimony	Dissolved	=	0.78	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Antimony	Total	=	1.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:35:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Barium	Total	=	60	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:35:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Beryllium	Total	DNQ	0.06	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:35:00 PM	Cadmium	Dissolved	DNQ	0.07	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Cadmium	Total	=	0.24	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:35:00 PM	Chromium	Dissolved	=	1	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Chromium	Total	=	5.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/9/2015 5:01:00 PM	Chromium VI	n/a	=	0.34	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:35:00 PM	Copper	Dissolved	=	15	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Copper	Total	=	40	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 11:17:00 AM	Iron	Dissolved	=	81	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 11:27:00 AM	Iron	Total	=	2800	µg/L	EPA 200.7	1.1	10	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:35:00 PM	Lead	Dissolved	=	1	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Lead	Total	=	7.3	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 3:57:00 PM	Mercury	Dissolved	DNQ	12	ng/L	EPA 245.1	3.9	50	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 3:57:00 PM	Mercury	Total	DNQ	30	ng/L	EPA 245.1	3.9	50	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:35:00 PM	Nickel	Dissolved	=	7.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Nickel	Total	=	13	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:35:00 PM	Selenium	Dissolved	DNQ	0.22	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Selenium	Total	DNQ	0.36	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:35:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:35:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:35:00 PM	Zinc	Dissolved	=	110	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/19/2015 11:43:00 PM	Zinc	Total	=	180	µg/L	EPA 200.8	0.94	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 12:05:00 PM	Ammonia as N	n/a	=	2.1	mg/L	EPA 350.1	0.96	2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 12:02:00 PM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/13/2015 4:07:00 PM	Phosphorus as P	Dissolved	=	0.94	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/13/2015 3:45:00 PM	Phosphorus as P	Total	=	1.5	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/13/2015 2:10:00 PM	TKN	n/a	=	7.6	mg/L	EPA 351.2	0.1	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	LB-LCSR
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	3-/4-Methylphenol	n/a	DNQ	0.84	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	6.2	µg/L	EPA 625	2.3	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Diethyl phthalate	n/a	DNQ	0.97	µg/L	EPA 625	0.15	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Hexachlorocyclopentadiene	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Phenol	n/a	DNQ	0.74	µg/L	EPA 625	0.16	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	Phenol	n/a	DNQ	0.86	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/24/2015 1:34:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	EST-LCSRPD
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/13/2015 10:32:00 AM	Glyphosate	n/a	=	33	µg/L	EPA 547	1.8	5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Malathion	n/a	=	0.018	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/29/2015 1:00:00 AM	Pentachlorophenol	n/a	DNQ	0.86	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/17/2015 7:39:00 AM	Pentachlorophenol	n/a	=	1.3	µg/L	EPA 625	0.19	1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	Pentachlorophenol	n/a	=	0.34	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 6:36:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0045	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/15/2015 10:34:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/14/2015 9:38:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MEI	2014/15-4	Wet	4/8/2015 9:06:00 AM	4/16/2015 10:16:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/7/2014 1:58:00 PM	Chloride	n/a	=	140	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/7/2014 1:58:00 PM	Fluoride	n/a	=	0.73	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/7/2014 11:08:00 PM	Perchlorate	n/a	=	12	µg/L	EPA 314.0	4.8	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/1/2014 11:15:00 PM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/4/2014 9:00:00 AM	Fecal Coliform	n/a	=	79000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/1/2014 11:15:00 PM	Total Coliform	n/a	=	21600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 2:22:00 PM	Calcium	Total	=	41.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 2:22:00 PM	Magnesium	Total	=	11.5	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 4:50:00 PM	Alkalinity as CaCO3	n/a	=	69	mg/L	SM 2320 B	0.56	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	34	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	510	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/7/2014 1:32:00 PM	Cyanide	Total	=	0.0052	mg/L	ASTM D7511	0.0005	0.002	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 2:22:00 PM	Hardness as CaCO3	Total	=	150	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/2/2014 4:09:00 PM	MBAS	n/a	=	0.055	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/1/2014 12:20:00 AM	pH	n/a	=	7.3	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/10/2014 1:37:00 PM	Phenolics	n/a	=	0.11	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/7/2014 2:43:00 PM	Specific Conductance	n/a	=	730	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/1/2014 12:20:00 AM	Temperature	n/a	=	10.8	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	510	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	74	mg/L	SM 5310 C	0.36	12	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	210	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	230	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	=	48	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 6:04:00 PM	Diesel Range Organics	n/a	=	1.5	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/7/2014 10:56:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/5/2014 5:53:00 PM	Oil and Grease	n/a	DNQ	2.2	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 6:04:00 PM	Oil Range Organics	n/a	=	0.96	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:58:00 PM	Aluminum	Dissolved	=	38	µg/L	EPA 200.8	2.1	5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:37:00 PM	Aluminum	Total	=	9100	µg/L	EPA 200.8	10	25	WKL	HB-MSR
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:47:00 PM	Antimony	Dissolved	=	1.1	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:41:00 PM	Antimony	Total	=	1.2	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:47:00 PM	Arsenic	Dissolved	=	3	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:41:00 PM	Arsenic	Total	=	4.6	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:41:00 PM	Barium	Total	=	140	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:47:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:41:00 PM	Beryllium	Total	=	0.33	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:47:00 PM	Cadmium	Dissolved	=	0.21	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:41:00 PM	Cadmium	Total	=	0.76	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:47:00 PM	Chromium	Dissolved	=	0.88	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:41:00 PM	Chromium	Total	=	17	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/4/2014 4:46:00 PM	Chromium VI	n/a	DNQ	0.23	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 12:58:00 PM	Copper	Dissolved	=	5.5	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:37:00 PM	Copper	Total	=	28	µg/L	EPA 200.8	0.18	2.5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 1:57:00 PM	Iron	Dissolved	=	140	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 2:22:00 PM	Iron	Total	=	11000	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:47:00 PM	Lead	Dissolved	=	0.58	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:41:00 PM	Lead	Total	=	11	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 6:38:00 PM	Mercury	Dissolved	DNQ	9	ng/L	EPA 245.1	3.9	50	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 6:38:00 PM	Mercury	Total	DNQ	26	ng/L	EPA 245.1	3.9	50	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:47:00 PM	Nickel	Dissolved	=	9.1	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:41:00 PM	Nickel	Total	=	20	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:47:00 PM	Selenium	Dissolved	=	0.72	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:41:00 PM	Selenium	Total	=	0.95	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:47:00 PM	Silver	Dissolved	DNQ	0.035	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:41:00 PM	Silver	Total	DNQ	0.085	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:47:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:41:00 PM	Thallium	Total	DNQ	0.094	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:47:00 PM	Zinc	Dissolved	=	32	µg/L	EPA 200.8	0.5	5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/12/2014 6:41:00 PM	Zinc	Total	=	110	µg/L	EPA 200.8	0.5	5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	1.6	mg/L	EPA 350.1	0.096	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/3/2014 5:06:00 PM	Nitrate + Nitrite as N	n/a	=	2.7	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/14/2014 5:29:00 PM	Phosphorus as P	Dissolved	=	3.6	mg/L	EPA 365.1	0.028	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/7/2014 8:34:00 PM	Phosphorus as P	Total	=	4.3	mg/L	EPA 365.1	0.056	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/17/2014 2:10:00 PM	TKN	n/a	=	23	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/5/2014 8:18:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	3-/4-Methylphenol	n/a	DNQ	0.88	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Benzdine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Diethyl phthalate	n/a	DNQ	0.39	µg/L	EPA 625	0.15	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/5/2014 8:18:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/8/2014 1:29:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	4,4'-DDE	n/a	DNQ	0.063	µg/L	EPA 608	0.05	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Chlorpyrifos	n/a	=	0.015	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	DCPA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	Dicamba	n/a	DNQ	0.14	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/3/2014 7:00:00 PM	Glyphosate	n/a	=	59	µg/L	EPA 547	3.6	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Malathion	n/a	=	0.21	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Molinat	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 1:46:00 AM	Pentachlorophenol	n/a	=	1.3	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/11/2014 4:18:00 AM	Pentachlorophenol	n/a	DNQ	0.96	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	Pentachlorophenol	n/a	=	0.39	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 7:54:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRDP
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0085	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 3:29:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/19/2014 7:12:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/6/2014 7:29:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	12033	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/14/2014 10:15:00 AM	Fecal Coliform	n/a	=	7900	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	14136	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/12/2014 2:10:00 AM	Conductivity	n/a	=	89.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/24/2014 3:54:00 PM	Cyanide	Total	=	0.0026	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/12/2014 2:10:00 AM	DO	n/a	=	96.7	%	Field Meter	-88	0.1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/12/2014 2:10:00 AM	DO	n/a	=	10.13	mg/L	Field Meter	-88	0.3	Field Crew	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/12/2014 2:10:00 AM	pH	n/a	=	7.2	pH Units	Field Meter	-88	0.01	Field Crew	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/12/2014 2:10:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/12/2014 2:10:00 AM	Specific Conductance	n/a	=	115.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/12/2014 2:10:00 AM	Temperature	n/a	=	13.4	°C	Field Meter	-88	0.1	Field Crew	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/17/2014 9:29:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/19/2014 3:12:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 2:10:00 AM	12/19/2014 3:12:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/13/2014 2:44:00 PM	Chloride	n/a	=	5.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/13/2014 2:44:00 PM	Fluoride	n/a	DNQ	0.058	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/16/2014 7:15:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 7:18:00 PM	Calcium	Total	=	62.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 7:18:00 PM	Magnesium	Total	=	29.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 1:15:00 PM	Alkalinity as CaCO3	n/a	=	66	mg/L	SM 2320 B	0.56	10	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/18/2014 11:10:00 AM	BOD	n/a	=	13	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 6:28:00 PM	COD	n/a	=	440	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 7:18:00 PM	Hardness as CaCO3	Total	=	279	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/12/2014 9:34:00 PM	MBAS	n/a	DNQ	0.02	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/29/2014 11:11:00 AM	Phenolics	n/a	=	0.024	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 12:35:00 PM	Specific Conductance	n/a	=	170	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/18/2014 10:20:00 AM	Total Dissolved Solids	n/a	=	200	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/22/2014 7:50:00 AM	Total Organic Carbon	n/a	=	9.2	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/18/2014 12:42:00 PM	Total Suspended Solids	n/a	=	3000	mg/L	SM 2540 D	-88	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/13/2014 11:25:00 AM	Turbidity	n/a	=	980	NTU	EPA 180.1	0.024	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/18/2014 12:42:00 PM	Volatile Suspended Solids	n/a	=	300	mg/L	EPA 160.4	3.1	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/26/2014 4:07:00 PM	Diesel Range Organics	n/a	=	0.11	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/26/2014 4:07:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:14:00 AM	Aluminum	Dissolved	=	47	µg/L	EPA 200.8	2.1	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/7/2015 3:53:00 PM	Aluminum	Total	=	63000	µg/L	EPA 200.8	21	50	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:14:00 AM	Antimony	Dissolved	DNQ	0.3	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:45:00 AM	Antimony	Total	DNQ	0.23	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:14:00 AM	Arsenic	Dissolved	=	1.8	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:45:00 AM	Arsenic	Total	=	8.9	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:45:00 AM	Barium	Total	=	810	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/7/2015 3:34:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/7/2015 3:53:00 PM	Beryllium	Total	=	2.7	µg/L	EPA 200.8	0.15	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:14:00 AM	Cadmium	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:45:00 AM	Cadmium	Total	=	5.7	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:14:00 AM	Chromium	Dissolved	=	0.38	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:45:00 AM	Chromium	Total	=	88	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/26/2014 2:15:00 PM	Chromium VI	n/a	=	0.22	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/7/2015 3:34:00 PM	Copper	Dissolved	=	3.1	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/7/2015 3:53:00 PM	Copper	Total	=	100	µg/L	EPA 200.8	0.36	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 7:15:00 PM	Iron	Dissolved	=	57	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 7:18:00 PM	Iron	Total	=	73000	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:14:00 AM	Lead	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:45:00 AM	Lead	Total	=	78	µg/L	EPA 200.8	0.024	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 4:10:00 PM	Mercury	Dissolved	DNQ	6	ng/L	EPA 245.1	3.9	50	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 4:10:00 PM	Mercury	Total	=	110	ng/L	EPA 245.1	3.9	50	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:14:00 AM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:45:00 AM	Nickel	Total	=	95	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:14:00 AM	Selenium	Dissolved	DNQ	0.17	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:45:00 AM	Selenium	Total	=	1.3	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:14:00 AM	Silver	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:45:00 AM	Silver	Total	=	0.26	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:14:00 AM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:45:00 AM	Thallium	Total	=	1	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:14:00 AM	Zinc	Dissolved	DNQ	3.6	µg/L	EPA 200.8	0.5	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/6/2015 2:45:00 AM	Zinc	Total	=	420	µg/L	EPA 200.8	0.5	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/29/2014 7:29:00 PM	Ammonia as N	n/a	=	0.67	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/17/2014 4:11:00 PM	Nitrate + Nitrite as N	n/a	=	1.3	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/2/2015 4:38:00 PM	Phosphorus as P	Dissolved	=	5.8	mg/L	EPA 365.1	0.07	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/30/2014 6:41:00 PM	Phosphorus as P	Total	=	9	mg/L	EPA 365.1	0.07	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/30/2014 7:02:00 PM	TKN	n/a	=	18	mg/L	EPA 351.2	0.5	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	μg/L	EPA 625	0.41	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	4-Nitrophenol	n/a	<	1	μg/L	EPA 8270Cm	1	2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	4-Nitrophenol	n/a	<	0.45	μg/L	EPA 625	0.45	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Acenaphthene	n/a	<	0.38	μg/L	EPA 625	0.38	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Acenaphthene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Acenaphthylene	n/a	<	0.4	μg/L	EPA 625	0.4	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Acenaphthylene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Anthracene	n/a	<	0.34	μg/L	EPA 625	0.34	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Anthracene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Benz(a)anthracene	n/a	<	0.19	μg/L	EPA 625	0.19	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Benz(a)anthracene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Benzidine	n/a	<	3.7	μg/L	EPA 625	3.7	10	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Benzo(a)pyrene	n/a	<	0.07	μg/L	EPA 525.2	0.07	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Benzo(a)pyrene	n/a	<	0.13	μg/L	EPA 625	0.13	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Benzo(a)pyrene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	μg/L	EPA 625	0.14	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	μg/L	EPA 625	0.1	2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	μg/L	EPA 625	0.22	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	μg/L	EPA 625	0.25	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	μg/L	EPA 625	0.27	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	μg/L	EPA 625	0.38	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	μg/L	EPA 525.2	0.1	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	μg/L	EPA 525.2	1.1	3	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	μg/L	EPA 625	2.3	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Butyl benzyl phthalate	n/a	<	0.18	μg/L	EPA 625	0.18	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Chrysene	n/a	<	0.19	μg/L	EPA 625	0.19	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Chrysene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	μg/L	EPA 625	0.08	2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Diethyl phthalate	n/a	<	0.15	μg/L	EPA 625	0.15	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Dimethyl phthalate	n/a	<	0.18	μg/L	EPA 625	0.18	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Di-n-butylphthalate	n/a	<	0.24	μg/L	EPA 625	0.24	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Di-n-octylphthalate	n/a	<	0.19	μg/L	EPA 625	0.19	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Fluoranthene	n/a	<	0.22	μg/L	EPA 625	0.22	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Fluoranthene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Fluorene	n/a	<	0.35	μg/L	EPA 625	0.35	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Fluorene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Hexachlorobenzene	n/a	<	0.49	μg/L	EPA 625	0.49	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Hexachlorobutadiene	n/a	<	0.47	μg/L	EPA 625	0.47	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	μg/L	EPA 625	1.5	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Hexachloroethane	n/a	<	0.52	μg/L	EPA 625	0.52	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	μg/L	EPA 625	0.12	2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	μg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Isophorone	n/a	<	0.21	μg/L	EPA 625	0.21	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Naphthalene	n/a	<	0.49	μg/L	EPA 625	0.49	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/23/2014 8:54:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	4,4'-DDE	n/a	DNQ	0.0099	µg/L	EPA 608	0.0025	0.05	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	4,4'-DDT	n/a	DNQ	0.007	µg/L	EPA 608	0.0031	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	DCPA (Dacthal)	n/a	=	0.17	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/15/2014 5:59:00 PM	Glyphosate	n/a	=	15	µg/L	EPA 547	1.8	5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Malathion	n/a	=	0.17	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/19/2014 9:06:00 AM	Pentachlorophenol	n/a	=	1.8	µg/L	EPA 625	0.19	1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 11:06:00 AM	Pentachlorophenol	n/a	=	1.7	µg/L	EPA 8270Cm	0.15	1	WKL	LCSRPD, HB-L
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	Pentachlorophenol	n/a	=	1.2	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	1/3/2015 4:50:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0048	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/27/2014 1:21:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/20/2014 6:59:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-MPK	2014/15-3	Wet	12/12/2014 11:34:00 AM	12/24/2014 5:02:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/20/2015 12:47:00 PM	Chloride	n/a	=	31	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/20/2015 12:47:00 PM	Fluoride	n/a	=	0.23	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/22/2015 1:40:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/26/2015 12:47:00 PM	Calcium	Total	=	49.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/26/2015 12:47:00 PM	Magnesium	Total	=	14.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/20/2015 6:20:00 PM	BOD	n/a	=	38	mg/L	SM 5210 B	2	2	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/20/2015 4:34:00 PM	COD	n/a	=	440	mg/L	EPA 410.4	0.73	5	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/26/2015 12:47:00 PM	Hardness as CaCO3	Total	=	182	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/15/2015 8:59:00 PM	MBAS	n/a	DNQ	0.085	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/21/2015 4:55:00 PM	Total Dissolved Solids	n/a	=	240	mg/L	SM 2540 C	4	10	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Aluminum	Dissolved	=	50	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:29:00 PM	Aluminum	Total	=	16000	µg/L	EPA 200.8	1.3	5	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Antimony	Dissolved	=	0.93	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:29:00 PM	Antimony	Total	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Arsenic	Dissolved	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:29:00 PM	Arsenic	Total	=	7.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Barium	Total	=	310	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:29:00 PM	Beryllium	Total	=	0.71	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:29:00 PM	Cadmium	Total	=	2	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Chromium	Dissolved	=	0.9	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:29:00 PM	Chromium	Total	=	35	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/20/2015 12:35:00 PM	Chromium VI	n/a	=	0.56	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Copper	Dissolved	=	4.1	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Copper	Total	=	66	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/26/2015 12:15:00 PM	Iron	Dissolved	=	130	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/26/2015 12:47:00 PM	Iron	Total	=	23000	µg/L	EPA 200.7	1.1	10	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Lead	Dissolved	=	0.44	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:29:00 PM	Lead	Total	=	41	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/21/2015 6:05:00 PM	Mercury	Dissolved	DNQ	9	ng/L	EPA 245.1	3.9	50	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/21/2015 6:05:00 PM	Mercury	Total	=	74	ng/L	EPA 245.1	3.9	50	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Nickel	Dissolved	=	4.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:29:00 PM	Nickel	Total	=	36	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Selenium	Dissolved	DNQ	0.31	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:29:00 PM	Selenium	Total	=	0.8	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:29:00 PM	Silver	Total	=	0.24	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:29:00 PM	Thallium	Total	=	0.23	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:24:00 PM	Zinc	Dissolved	=	20	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/27/2015 3:29:00 PM	Zinc	Total	=	450	µg/L	EPA 200.8	0.94	5	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/18/2015 4:34:00 PM	Ammonia as N	n/a	=	0.78	mg/L	EPA 350.1	0.048	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/18/2015 12:29:00 PM	Nitrate + Nitrite as N	n/a	=	1.3	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-MPK	2014/15-5	Wet	5/15/2015 8:35:00 AM	5/22/2015 4:20:00 PM	TKN	n/a	=	7.9	mg/L	EPA 351.2	0.1	0.2	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	Dichloroprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	Pentachlorophenol	n/a	=	0.3	µg/L	EPA 515.3	0.04	0.2	WKL	
IPK Upstream	2014/15-1	Wet	11/1/2014 12:20:00 AM	11/13/2014 11:57:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	DCCA (Dacthal)	n/a	=	0.32	µg/L	EPA 515.3	0.07	0.1	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	Dichloroprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	Pentachlorophenol	n/a	DNQ	0.064	µg/L	EPA 515.3	0.04	0.2	WKL	
IPK Upstream	2014/15-3	Wet	12/12/2014 2:10:00 AM	1/3/2015 7:06:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 10:38:00 PM	Chloride	n/a	=	19	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 10:38:00 PM	Fluoride	n/a	=	0.64	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 12:08:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/1/2014 11:15:00 PM	E. Coli	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/4/2014 9:00:00 AM	Fecal Coliform	n/a	=	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/1/2014 11:15:00 PM	Total Coliform	n/a	=	172500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 11:23:00 AM	Calcium	Total	=	29.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 11:23:00 AM	Magnesium	Total	=	6.82	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:45:00 PM	Alkalinity as CaCO3	n/a	=	51	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	49	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	390	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/1/2014 1:40:00 AM	Conductivity	n/a	=	352.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 4:28:00 PM	Cyanide	Total	DNQ	0.0019	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/1/2014 1:40:00 AM	DO	n/a	=	76.6	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/1/2014 1:40:00 AM	DO	n/a	=	7.7	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 11:23:00 AM	Hardness as CaCO3	Total	=	101	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/2/2014 4:09:00 PM	MBAS	n/a	=	0.14	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/2/2014 7:05:00 PM	pH	n/a	=	7	pH Units	SM 4500-H+ B	0.1	0.1	WKL	EST-HT

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 1:34:00 PM	Phenolics	n/a	=	0.15	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/1/2014 1:40:00 AM	Salinity	n/a	=	200	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/1/2014 1:40:00 AM	Specific Conductance	n/a	=	428.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 1:08:00 PM	Specific Conductance	n/a	=	250	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/1/2014 1:40:00 AM	Temperature	n/a	=	15.5	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	280	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	100	mg/L	SM 5310 C	0.72	24	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	200	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	98	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	=	55	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 3:04:00 PM	Diesel Range Organics	n/a	=	2.2	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 5:53:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 4:44:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 3:04:00 PM	Oil Range Organics	n/a	=	1.6	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Aluminum	Dissolved	=	100	µg/L	EPA 200.8	2.1	5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Aluminum	Total	=	5000	µg/L	EPA 200.8	2.1	5	WKL	HB-MSR
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Antimony	Dissolved	=	0.77	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Antimony	Total	=	1.5	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Arsenic	Dissolved	=	1.5	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Arsenic	Total	=	2.8	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Barium	Total	=	110	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Beryllium	Dissolved	DNQ	0.017	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Beryllium	Total	=	0.2	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Cadmium	Dissolved	=	0.15	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Cadmium	Total	=	0.38	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Chromium	Dissolved	=	1.2	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Chromium	Total	=	8.4	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/4/2014 4:46:00 PM	Chromium VI	n/a	DNQ	0.22	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Copper	Dissolved	=	84	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Copper	Total	=	180	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 11:08:00 AM	Iron	Dissolved	=	120	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 11:23:00 AM	Iron	Total	=	6300	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Lead	Dissolved	=	1.3	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Lead	Total	=	11	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 6:38:00 PM	Mercury	Dissolved	DNQ	14	ng/L	EPA 245.1	3.9	50	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 6:38:00 PM	Mercury	Total	DNQ	36	ng/L	EPA 245.1	3.9	50	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Nickel	Dissolved	=	10	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Nickel	Total	=	19	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Selenium	Dissolved	DNQ	0.34	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Selenium	Total	=	0.6	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Silver	Dissolved	DNQ	0.032	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Silver	Total	DNQ	0.062	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Thallium	Total	DNQ	0.056	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:22:00 PM	Zinc	Dissolved	=	130	µg/L	EPA 200.8	0.5	5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/10/2014 12:40:00 PM	Zinc	Total	=	250	µg/L	EPA 200.8	0.5	5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	1.8	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/3/2014 4:49:00 PM	Nitrate + Nitrite as N	n/a	=	2.2	mg/L	EPA 353.2	0.01	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/14/2014 5:08:00 PM	Phosphorus as P	Dissolved	=	1.4	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 8:05:00 PM	Phosphorus as P	Total	=	1.7	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 5:27:00 PM	TKN	n/a	=	7.5	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 1:47:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	3-/4-Methylphenol	n/a	DNQ	0.53	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/18/2014 12:10:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Diethyl phthalate	n/a	DNQ	0.38	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 1:47:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	Phenol	n/a	DNQ	0.53	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/7/2014 10:11:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	Dicamba	n/a	DNQ	0.21	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 5:18:00 PM	Glyphosate	n/a	<	9	µg/L	EPA 547	9	25	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:18:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	Pentachlorophenol	n/a	=	0.41	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/12/2014 10:52:00 PM	Pentachlorophenol	n/a	=	1.6	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/11/2014 1:16:00 AM	Pentachlorophenol	n/a	=	1	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/13/2014 4:25:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/5/2014 9:21:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/20/2014 4:00:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2014/15-1	Wet	11/1/2014 1:40:00 AM	11/6/2014 5:03:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/3/2014 8:00:00 AM	E. Coli	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/4/2014 10:20:00 AM	Fecal Coliform	n/a	=	94000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/3/2014 8:00:00 AM	Total Coliform	n/a	=	33100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/2/2014 10:30:00 AM	Conductivity	n/a	=	52.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/5/2014 1:42:00 PM	Cyanide	Total	DNQ	0.0015	mg/L	ASTM D7511	0.00048	0.002	WKL	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/2/2014 10:30:00 AM	DO	n/a	=	9.47	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/2/2014 10:30:00 AM	DO	n/a	=	91.8	%	Field Meter	-88	0.1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/2/2014 10:30:00 AM	pH	n/a	=	7.65	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/2/2014 10:30:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/2/2014 10:30:00 AM	Specific Conductance	n/a	=	66.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/2/2014 10:30:00 AM	Temperature	n/a	=	13.9	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/9/2014 2:46:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/6/2014 3:15:00 PM	Oil and Grease	n/a	DNQ	2	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/7/2014 10:08:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2014/15-2	Wet	12/2/2014 10:30:00 AM	12/7/2014 10:08:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/6/2014 2:59:00 PM	Chloride	n/a	=	6.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/6/2014 2:59:00 PM	Fluoride	n/a	DNQ	0.077	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/5/2014 12:51:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:12:00 PM	Calcium	Total	=	20.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:12:00 PM	Magnesium	Total	=	7.63	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 8:11:00 AM	COD	n/a	=	91	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:12:00 PM	Hardness as CaCO3	Total	=	83.3	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/4/2014 6:47:00 PM	MBAS	n/a	=	0.056	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/8/2014 3:40:00 PM	Total Dissolved Solids	n/a	=	110	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 6:50:00 PM	Total Suspended Solids	n/a	=	560	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Aluminum	Dissolved	=	67	µg/L	EPA 200.8	2.1	5	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 4:54:00 PM	Aluminum	Total	=	11000	µg/L	EPA 200.8	10	25	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Antimony	Dissolved	DNQ	0.27	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Antimony	Total	=	0.51	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Arsenic	Dissolved	=	0.93	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Arsenic	Total	=	3.1	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Barium	Total	=	210	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Beryllium	Total	=	0.49	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Cadmium	Dissolved	DNQ	0.029	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Cadmium	Total	=	0.32	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Chromium	Dissolved	=	0.47	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Chromium	Total	=	17	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/5/2014 6:03:00 PM	Chromium VI	n/a	=	0.32	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Copper	Dissolved	=	6.9	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Copper	Total	=	39	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 2:48:00 PM	Iron	Dissolved	=	66	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:12:00 PM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Lead	Dissolved	=	0.22	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Lead	Total	=	16	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 3:45:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 3:45:00 PM	Mercury	Total	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Nickel	Total	=	29	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Selenium	Dissolved	DNQ	0.1	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Selenium	Total	DNQ	0.33	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Silver	Total	DNQ	0.048	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Thallium	Total	DNQ	0.13	µg/L	EPA 200.8	0.034	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:02:00 PM	Zinc	Dissolved	=	10	µg/L	EPA 200.8	0.5	5	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/12/2014 3:06:00 PM	Zinc	Total	=	140	µg/L	EPA 200.8	0.5	5	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/17/2014 5:29:00 PM	Ammonia as N	n/a	DNQ	0.093	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/13/2014 3:25:00 PM	Nitrate + Nitrite as N	n/a	=	0.55	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 3:50:00 PM	Phosphorus as P	Dissolved	=	0.33	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/18/2014 7:37:00 PM	Phosphorus as P	Total	=	1.1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/16/2014 4:35:00 PM	TKN	n/a	=	2.5	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.7	µg/L	EPA 525.2	1.1	3	WKL	LCSRPD, HB-L
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Simazine	n/a	=	0.56	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/9/2014 1:49:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2014/15-2	Wet	12/3/2014 9:57:00 AM	12/15/2014 9:03:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	110000	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/16/2014 9:00:00 AM	Fecal Coliform	n/a	=	920000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	579400	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/12/2014 12:10:00 AM	Conductivity	n/a	=	68.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/24/2014 3:54:00 PM	Cyanide	Total	DNQ	0.0012	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/12/2014 12:10:00 AM	DO	n/a	=	107.4	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/12/2014 12:10:00 AM	DO	n/a	=	10.95	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/12/2014 12:10:00 AM	pH	n/a	=	7.52	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/12/2014 12:10:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/12/2014 12:10:00 AM	Specific Conductance	n/a	=	83.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/12/2014 12:10:00 AM	Temperature	n/a	=	14.5	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/17/2014 4:01:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	DNQ	1.5	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/19/2014 3:42:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 12:10:00 AM	12/19/2014 3:42:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/13/2014 12:00:00 PM	Chloride	n/a	=	2.3	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/13/2014 12:00:00 PM	Fluoride	n/a	DNQ	0.041	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/13/2014 5:10:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/29/2014 8:26:00 PM	Calcium	Total	=	31.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/29/2014 8:26:00 PM	Magnesium	Total	=	17.5	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 1:15:00 PM	Alkalinity as CaCO3	n/a	=	51	mg/L	SM 2320 B	0.56	10	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/18/2014 11:10:00 AM	BOD	n/a	=	7.8	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:28:00 PM	COD	n/a	=	120	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/29/2014 8:26:00 PM	Hardness as CaCO3	Total	=	150	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/12/2014 9:34:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/29/2014 11:02:00 AM	Phenolics	n/a	DNQ	0.005	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 5:41:00 PM	Specific Conductance	n/a	=	130	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/17/2014 9:20:00 AM	Total Dissolved Solids	n/a	=	100	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/22/2014 7:50:00 AM	Total Organic Carbon	n/a	=	8.3	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/18/2014 12:42:00 PM	Total Suspended Solids	n/a	=	1100	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/12/2014 9:18:00 PM	Turbidity	n/a	=	540	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/18/2014 12:42:00 PM	Volatile Suspended Solids	n/a	=	110	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/18/2014 8:44:00 PM	Diesel Range Organics	n/a	DNQ	0.061	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/18/2014 8:44:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 11:04:00 AM	Aluminum	Dissolved	=	2400	µg/L	EPA 200.8	2.1	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 11:15:00 PM	Aluminum	Total	=	27000	µg/L	EPA 200.8	8.4	20	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 12:04:00 AM	Antimony	Dissolved	DNQ	0.16	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 1:53:00 AM	Antimony	Total	DNQ	0.15	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 12:04:00 AM	Arsenic	Dissolved	=	1.6	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 1:53:00 AM	Arsenic	Total	=	5	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 1:53:00 AM	Barium	Total	=	560	µg/L	EPA 200.8	0.097	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 12:04:00 AM	Beryllium	Dissolved	DNQ	0.09	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 1:53:00 AM	Beryllium	Total	=	1.3	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 12:04:00 AM	Cadmium	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 1:53:00 AM	Cadmium	Total	=	0.48	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 12:04:00 AM	Chromium	Dissolved	=	3	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 1:53:00 AM	Chromium	Total	=	38	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 11:49:00 AM	Chromium VI	n/a	=	0.2	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 12:04:00 AM	Copper	Dissolved	=	6.1	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 11:15:00 PM	Copper	Total	=	56	µg/L	EPA 200.8	0.14	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/29/2014 8:24:00 PM	Iron	Dissolved	=	1900	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/29/2014 8:26:00 PM	Iron	Total	=	31000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 12:04:00 AM	Lead	Dissolved	=	1.8	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 1:53:00 AM	Lead	Total	=	32	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 4:07:00 PM	Mercury	Dissolved	DNQ	14	ng/L	EPA 245.1	3.9	50	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 4:07:00 PM	Mercury	Total	DNQ	74	ng/L	EPA 245.1	7.8	100	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 12:04:00 AM	Nickel	Dissolved	=	4.3	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 1:53:00 AM	Nickel	Total	=	70	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 12:04:00 AM	Selenium	Dissolved	<	0.081	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 1:53:00 AM	Selenium	Total	DNQ	0.26	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 12:04:00 AM	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 1:53:00 AM	Silver	Total	DNQ	0.07	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 12:04:00 AM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 1:53:00 AM	Thallium	Total	=	0.28	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 12:04:00 AM	Zinc	Dissolved	=	16	µg/L	EPA 200.8	0.5	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/7/2015 1:53:00 AM	Zinc	Total	=	230	µg/L	EPA 200.8	0.5	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 4:22:00 PM	Ammonia as N	n/a	=	0.14	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/17/2014 3:58:00 PM	Nitrate + Nitrite as N	n/a	=	0.36	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/2/2015 5:02:00 PM	Phosphorus as P	Dissolved	=	0.97	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	1/8/2015 4:44:00 PM	Phosphorus as P	Total	=	2.2	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/30/2014 7:02:00 PM	TKN	n/a	=	6.5	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	3.8	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:36:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	4,4'-DDE	n/a	DNQ	0.021	µg/L	EPA 608	0.0025	0.05	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	4,4'-DDT	n/a	DNQ	0.0049	µg/L	EPA 608	0.0031	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/15/2014 5:59:00 PM	Glyphosate	n/a	=	5	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	Pentachlorophenol	n/a	=	0.28	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/19/2014 6:06:00 AM	Pentachlorophenol	n/a	=	1	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 8:09:00 AM	Pentachlorophenol	n/a	DNQ	0.8	µg/L	EPA 8270Cm	0.15	1	WKL	LCSRPD, HB-L
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/23/2014 5:21:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Simazine	n/a	=	0.26	µg/L	EPA 525.2	0.015	0.1	WKL	HB-LCSR
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 11:00:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/26/2014 10:17:00 PM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/20/2014 4:31:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2014/15-3	Wet	12/12/2014 11:00:00 AM	12/24/2014 2:35:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/8/2015 1:00:00 PM	E. Coli	n/a	=	1725	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/9/2015 7:28:00 PM	Fecal Coliform	n/a	>	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/8/2015 1:00:00 PM	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/7/2015 3:40:00 PM	Conductivity	n/a	=	89.3	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/14/2015 3:47:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/7/2015 3:40:00 PM	DO	n/a	=	96.2	%	Field Meter	-88	0.1	Field Crew	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/7/2015 3:40:00 PM	DO	n/a	=	9.25	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/7/2015 3:40:00 PM	pH	n/a	=	7.63	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/7/2015 3:40:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/7/2015 3:40:00 PM	Specific Conductance	n/a	=	104.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/7/2015 3:40:00 PM	Temperature	n/a	=	17.3	°C	Field Meter	-88	0.1	Field Crew	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/15/2015 3:42:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/9/2015 6:11:00 PM	Oil and Grease	n/a	DNQ	3.6	mg/L	EPA 1664A	1.3	5	WKL	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/13/2015 9:58:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OJA	2014/15-4	Wet	4/7/2015 3:40:00 PM	4/13/2015 9:58:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/9/2015 12:53:00 PM	Chloride	n/a	=	6.5	mg/L	EPA 300.0	0.5	2.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/9/2015 12:53:00 PM	Fluoride	n/a	=	0.68	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/10/2015 12:04:00 PM	Perchlorate	n/a	<	1.9	µg/L	EPA 314.0	1.9	4	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 11:25:00 AM	Calcium	Total	=	17.5	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 11:25:00 AM	Magnesium	Total	=	4.02	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/10/2015 4:30:00 PM	Alkalinity as CaCO3	n/a	=	39	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 12:23:00 PM	BOD	n/a	=	39	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/13/2015 4:40:00 PM	COD	n/a	=	310	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 11:25:00 AM	Hardness as CaCO3	Total	=	60.3	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/9/2015 6:25:00 PM	MBAS	n/a	=	0.58	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/23/2015 9:32:00 AM	Phenolics	n/a	=	0.029	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/11/2015 11:30:00 AM	Specific Conductance	n/a	=	140	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/13/2015 10:30:00 AM	Total Dissolved Solids	n/a	=	110	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/10/2015 10:17:00 AM	Total Organic Carbon	n/a	=	47	mg/L	SM 5310 C	0.36	12	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/13/2015 12:48:00 PM	Total Suspended Solids	n/a	=	160	mg/L	SM 2540 D	-88	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/9/2015 12:26:00 PM	Turbidity	n/a	=	90	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/13/2015 12:48:00 PM	Volatile Suspended Solids	n/a	=	120	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/18/2015 5:35:00 PM	Diesel Range Organics	n/a	=	1	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/21/2015 9:38:00 PM	Oil Range Organics	n/a	=	0.93	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/20/2015 3:57:00 PM	Aluminum	Dissolved	=	37	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/20/2015 4:01:00 PM	Aluminum	Total	=	3500	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:48:00 PM	Antimony	Dissolved	=	0.5	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Antimony	Total	=	0.84	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:48:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Arsenic	Total	=	2.3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Barium	Total	=	82	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:48:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Beryllium	Total	=	0.12	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:48:00 PM	Cadmium	Dissolved	<	0.041	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Cadmium	Total	=	0.26	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:48:00 PM	Chromium	Dissolved	=	0.59	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Chromium	Total	=	6.2	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/9/2015 4:49:00 PM	Chromium VI	n/a	=	0.25	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:48:00 PM	Copper	Dissolved	=	11	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Copper	Total	=	40	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 11:14:00 AM	Iron	Dissolved	=	71	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 11:25:00 AM	Iron	Total	=	4300	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:48:00 PM	Lead	Dissolved	=	0.67	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Lead	Total	=	8.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 3:57:00 PM	Mercury	Dissolved	DNQ	15	ng/L	EPA 245.1	3.9	50	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 3:57:00 PM	Mercury	Total	DNQ	45	ng/L	EPA 245.1	3.9	50	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:48:00 PM	Nickel	Dissolved	=	3.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:48:00 PM	Selenium	Dissolved	<	0.14	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Selenium	Total	DNQ	0.25	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:48:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:48:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:48:00 PM	Zinc	Dissolved	=	69	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/19/2015 10:56:00 PM	Zinc	Total	=	180	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 3:58:00 PM	Ammonia as N	n/a	=	0.87	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 12:00:00 PM	Nitrate + Nitrite as N	n/a	=	0.9	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/13/2015 4:05:00 PM	Phosphorus as P	Dissolved	=	0.88	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/13/2015 3:43:00 PM	Phosphorus as P	Total	=	1.4	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/13/2015 2:10:00 PM	TKN	n/a	=	6.3	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	LB-LCSR
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	3-4-Methylphenol	n/a	DNQ	0.42	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Benzo(a)pyrene	n/a	=	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Benzo(b)fluoranthene	n/a	=	0.11	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.8	µg/L	EPA 625	2.3	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	Phenol	n/a	DNQ	0.43	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/24/2015 12:59:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	EST-LCSRDP
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/13/2015 10:22:00 AM	Glyphosate	n/a	=	13	µg/L	EPA 547	1.8	5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 6:02:00 AM	Pentachlorophenol	n/a	=	0.22	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/17/2015 7:09:00 AM	Pentachlorophenol	n/a	=	1.1	µg/L	EPA 625	0.19	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/29/2015 12:31:00 AM	Pentachlorophenol	n/a	DNQ	0.72	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/15/2015 10:04:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/14/2015 9:13:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OJA	2014/15-4	Wet	4/8/2015 8:30:00 AM	4/16/2015 9:52:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/23/2015 7:40:00 PM	Chloride	n/a	=	380	mg/L	EPA 300.0	0.6	3	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/23/2015 7:40:00 PM	Fluoride	n/a	=	0.79	mg/L	EPA 300.0	0.12	0.6	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/23/2015 7:20:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/29/2015 1:06:00 PM	Calcium	Total	=	189	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/29/2015 1:06:00 PM	Magnesium	Total	=	23.1	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/27/2015 11:00:00 AM	Alkalinity as CaCO3	n/a	=	76	mg/L	SM 2320 B	0.56	2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/29/2015 2:20:00 PM	BOD	n/a	=	7.5	mg/L	SM 5210 B	2	2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/29/2015 5:04:00 PM	COD	n/a	=	68	mg/L	EPA 410.4	0.73	5	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/29/2015 1:06:00 PM	Hardness as CaCO3	Total	=	567	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/24/2015 7:51:00 PM	MBAS	n/a	=	0.29	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/6/2015 8:54:00 AM	Phenolics	n/a	=	0.067	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/24/2015 12:35:00 PM	Specific Conductance	n/a	=	2000	µmhos/cm	SM 2510 B	0.47	4	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/28/2015 11:25:00 AM	Total Dissolved Solids	n/a	=	1300	mg/L	SM 2540 C	4	10	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/25/2015 10:43:00 AM	Total Organic Carbon	n/a	=	29	mg/L	SM 5310 C	0.09	3	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/25/2015 11:11:00 AM	Total Suspended Solids	n/a	=	7	mg/L	SM 2540 D	-88	5	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/24/2015 4:31:00 PM	Turbidity	n/a	=	4	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/25/2015 11:11:00 AM	Volatile Suspended Solids	n/a	DNQ	4	mg/L	EPA 160.4	3.1	5	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Aluminum	Dissolved	=	8.5	µg/L	EPA 200.8	1.3	5	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Aluminum	Total	=	53	µg/L	EPA 200.8	1.3	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Antimony	Dissolved	DNQ	0.37	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Antimony	Total	DNQ	0.36	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Arsenic	Dissolved	=	1.8	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Arsenic	Total	=	1.9	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Barium	Total	=	320	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Cadmium	Dissolved	DNQ	0.09	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Cadmium	Total	DNQ	0.08	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Chromium	Dissolved	=	0.64	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Chromium	Total	=	0.79	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/24/2015 2:04:00 PM	Chromium VI	n/a	=	0.62	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Copper	Dissolved	=	28	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Copper	Total	=	29	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/29/2015 1:01:00 PM	Iron	Dissolved	DNQ	7.2	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/29/2015 1:06:00 PM	Iron	Total	=	73	µg/L	EPA 200.7	1.1	10	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Lead	Dissolved	=	0.29	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Lead	Total	=	0.42	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/6/2015 5:14:00 PM	Mercury	Dissolved	DNQ	21	ng/L	EPA 245.1	3.9	50	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/6/2015 5:14:00 PM	Mercury	Total	DNQ	21	ng/L	EPA 245.1	3.9	50	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Nickel	Dissolved	=	1.7	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Nickel	Total	=	1.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Selenium	Dissolved	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Selenium	Total	=	1.3	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:26:00 PM	Zinc	Dissolved	=	16	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/1/2015 5:42:00 PM	Zinc	Total	=	17	µg/L	EPA 200.8	0.94	5	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/24/2015 4:27:00 PM	Ammonia as N	n/a	DNQ	0.078	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/24/2015 5:10:00 PM	Nitrate + Nitrite as N	n/a	=	0.5	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/6/2015 11:39:00 AM	Phosphorus as P	Dissolved	=	0.082	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/29/2015 11:19:00 AM	Phosphorus as P	Total	=	0.15	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/2/2015 1:44:00 PM	TKN	n/a	=	2.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	Dalapon	n/a	=	1.3	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	7/2/2015 12:48:00 PM	Glyphosate	n/a	=	37	µg/L	EPA 547	1.8	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OJA	2014/15-6	Dry	6/23/2015 10:50:00 AM	6/26/2015 1:44:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	11/1/2014 11:15:00 PM	E. Coli	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	11/3/2014 10:50:00 AM	Fecal Coliform	n/a	=	33000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	11/1/2014 11:15:00 PM	Total Coliform	n/a	=	25900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	10/31/2014 11:25:00 PM	Conductivity	n/a	=	173.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	11/6/2014 4:28:00 PM	Cyanide	Total	=	0.0079	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	10/31/2014 11:25:00 PM	DO	n/a	=	91.5	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	10/31/2014 11:25:00 PM	DO	n/a	=	8.9	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	10/31/2014 11:25:00 PM	pH	n/a	=	6.4	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	10/31/2014 11:25:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	10/31/2014 11:25:00 PM	Specific Conductance	n/a	=	204.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	10/31/2014 11:25:00 PM	Temperature	n/a	=	17.1	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	11/7/2014 7:24:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	11/11/2014 4:44:00 PM	Oil and Grease	n/a	DNQ	2.5	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	11/5/2014 3:18:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2014/15-1	Wet	10/31/2014 11:25:00 PM	11/5/2014 3:18:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/7/2014 2:42:00 PM	Chloride	n/a	=	25	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/7/2014 2:42:00 PM	Fluoride	n/a	=	0.42	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/7/2014 11:08:00 PM	Perchlorate	n/a	=	25	µg/L	EPA 314.0	4.8	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 2:26:00 PM	Calcium	Total	=	35	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 2:26:00 PM	Magnesium	Total	=	8.97	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 4:50:00 PM	Alkalinity as CaCO3	n/a	=	60	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	35	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	350	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 2:26:00 PM	Hardness as CaCO3	Total	=	124	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/2/2014 4:09:00 PM	MBAS	n/a	=	0.66	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/10/2014 3:45:00 PM	Phenolics	n/a	=	0.056	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/7/2014 1:08:00 PM	Specific Conductance	n/a	=	300	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	240	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	57	mg/L	SM 5310 C	0.36	12	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	440	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	56	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	=	100	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 7:05:00 PM	Diesel Range Organics	n/a	=	1.8	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 7:05:00 PM	Oil Range Organics	n/a	=	2.4	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 1:02:00 PM	Aluminum	Dissolved	=	64	µg/L	EPA 200.8	2.1	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 1:35:00 PM	Aluminum	Total	=	6600	µg/L	EPA 200.8	2.1	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:02:00 PM	Antimony	Dissolved	=	1.8	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:08:00 PM	Antimony	Total	=	5	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:02:00 PM	Arsenic	Dissolved	=	1.6	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:08:00 PM	Arsenic	Total	=	4.8	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:08:00 PM	Barium	Total	=	180	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:02:00 PM	Beryllium	Dissolved	DNQ	0.016	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:08:00 PM	Beryllium	Total	=	0.33	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:02:00 PM	Cadmium	Dissolved	DNQ	0.098	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:08:00 PM	Cadmium	Total	=	1.1	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:02:00 PM	Chromium	Dissolved	=	1.6	µg/L	EPA 200.8	0.024	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:08:00 PM	Chromium	Total	=	18	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/4/2014 4:46:00 PM	Chromium VI	n/a	=	0.6	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 1:02:00 PM	Copper	Dissolved	=	16	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 1:35:00 PM	Copper	Total	=	110	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 2:02:00 PM	Iron	Dissolved	=	200	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 2:26:00 PM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:02:00 PM	Lead	Dissolved	=	1.4	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:08:00 PM	Lead	Total	=	35	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 5:43:00 PM	Mercury	Dissolved	DNQ	10	ng/L	EPA 245.1	3.9	50	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 5:43:00 PM	Mercury	Total	=	72	ng/L	EPA 245.1	3.9	50	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:02:00 PM	Nickel	Dissolved	=	10	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:08:00 PM	Nickel	Total	=	27	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:02:00 PM	Selenium	Dissolved	=	0.83	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:08:00 PM	Selenium	Total	=	1.6	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:02:00 PM	Silver	Dissolved	DNQ	0.033	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:08:00 PM	Silver	Total	=	0.2	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:02:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:08:00 PM	Thallium	Total	DNQ	0.13	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:02:00 PM	Zinc	Dissolved	=	170	µg/L	EPA 200.8	0.5	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/12/2014 7:08:00 PM	Zinc	Total	=	700	µg/L	EPA 200.8	0.5	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	1.5	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/3/2014 5:10:00 PM	Nitrate + Nitrite as N	n/a	=	1.9	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/14/2014 5:31:00 PM	Phosphorus as P	Dissolved	=	1.4	mg/L	EPA 365.1	0.011	0.08	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/7/2014 8:37:00 PM	Phosphorus as P	Total	=	1.6	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/17/2014 2:10:00 PM	TKN	n/a	=	7.5	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270Cm	2.9	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270Cm	3	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270Cm	5.1	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270Cm	6.5	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270Cm	3.4	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270Cm	7.1	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270Cm	3	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270Cm	1.4	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270Cm	3.7	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Ben-zidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/18/2014 1:40:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Diethyl phthalate	n/a	DNQ	0.51	µg/L	EPA 625	0.15	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Di-n-butylphthalate	n/a	DNQ	0.31	µg/L	EPA 625	0.24	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270Cm	3.5	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/8/2014 2:36:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	4,4'-DDE	n/a	DNQ	0.045	µg/L	EPA 608	0.025	0.5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Chlorpyrifos	n/a	=	0.094	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	Dicamba	n/a	DNQ	0.15	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/3/2014 7:00:00 PM	Glyphosate	n/a	=	10	µg/L	EPA 547	3.6	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Malathion	n/a	=	1.1	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 2:45:00 AM	Pentachlorophenol	n/a	DNQ	7.1	µg/L	EPA 8270Cm	1.5	10	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/11/2014 5:19:00 AM	Pentachlorophenol	n/a	DNQ	0.84	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	Pentachlorophenol	n/a	=	0.28	µg/L	EPA 515.3	0.04	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/13/2014 10:48:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 4:30:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/20/2014 6:03:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2014/15-1	Wet	11/1/2014 11:37:00 AM	11/6/2014 8:18:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/3/2014 8:00:00 AM	E. Coli	n/a	=	12997	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/5/2014 10:30:00 AM	Fecal Coliform	n/a	=	130000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/3/2014 8:00:00 AM	Total Coliform	n/a	=	41000	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	Conductivity	n/a	=	48.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/12/2014 5:40:00 PM	Cyanide	Total	<	0.00048	mg/L	ASTM D7511	0.00048	0.002	WKL	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	DO	n/a	=	8.22	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	DO	n/a	=	84.2	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	pH	n/a	=	6.99	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	Specific Conductance	n/a	=	37.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	Temperature	n/a	=	15.1	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/8/2014 11:24:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/5/2014 5:13:00 PM	Oil and Grease	n/a	DNQ	1.9	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/7/2014 11:40:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/7/2014 11:40:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 5:43:00 PM	Chloride	n/a	=	7.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 5:43:00 PM	Fluoride	n/a	=	0.14	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/5/2014 2:50:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 3:25:00 PM	Calcium	Total	=	14.2	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 3:25:00 PM	Magnesium	Total	=	4.14	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 3:25:00 PM	Hardness as CaCO3	Total	=	52.5	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/4/2014 6:47:00 PM	MBAS	n/a	=	0.28	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/10/2014 8:50:00 AM	Total Dissolved Solids	n/a	=	84	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Aluminum	Dissolved	=	37	µg/L	EPA 200.8	2.1	5	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Aluminum	Total	=	3900	µg/L	EPA 200.8	2.1	5	WKL	HB-MSR
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Antimony	Dissolved	=	1.3	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Antimony	Total	=	3.5	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Arsenic	Dissolved	=	0.9	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Arsenic	Total	=	2.4	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Barium	Total	=	97	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Beryllium	Total	=	0.16	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Cadmium	Dissolved	DNQ	0.062	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Cadmium	Total	=	0.56	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Chromium	Dissolved	=	1.5	µg/L	EPA 200.8	0.024	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Chromium	Total	=	10	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Copper	Dissolved	=	14	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Copper	Total	=	58	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 3:00:00 PM	Iron	Dissolved	=	69	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 3:25:00 PM	Iron	Total	=	6000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Lead	Dissolved	=	0.47	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Lead	Total	=	20	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/15/2014 3:45:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/15/2014 3:45:00 PM	Mercury	Total	DNQ	24	ng/L	EPA 245.1	3.9	50	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Nickel	Dissolved	=	2.8	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Nickel	Total	=	11	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Selenium	Dissolved	DNQ	0.24	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Selenium	Total	=	0.51	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Silver	Total	DNQ	0.054	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Thallium	Total	DNQ	0.065	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:11:00 PM	Zinc	Dissolved	=	70	µg/L	EPA 200.8	0.5	5	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 4:58:00 PM	Zinc	Total	=	300	µg/L	EPA 200.8	0.5	5	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/12/2014 12:48:00 PM	Ammonia as N	n/a	=	0.31	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/16/2014 5:08:00 PM	Nitrate + Nitrite as N	n/a	=	1.1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/16/2014 4:35:00 PM	TKN	n/a	=	1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.2	µg/L	EPA 525.2	1.1	3	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	2,4-D	n/a	=	0.4	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	DCPA (Daacthal)	n/a	=	0.16	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	Pentachlorophenol	n/a	DNQ	0.13	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/6/2014 3:36:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2014/15-2	Wet	12/3/2014 9:51:00 AM	12/24/2014 12:33:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/14/2014 10:15:00 AM	Fecal Coliform	n/a	=	240000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	151500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/12/2014 12:20:00 AM	Conductivity	n/a	=	155.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/24/2014 3:54:00 PM	Cyanide	Total	=	0.013	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/12/2014 12:20:00 AM	DO	n/a	=	7.8	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/12/2014 12:20:00 AM	DO	n/a	=	80.2	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/12/2014 12:20:00 AM	pH	n/a	=	7.52	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/12/2014 12:20:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/12/2014 12:20:00 AM	Specific Conductance	n/a	=	186.4	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/12/2014 12:20:00 AM	Temperature	n/a	=	16.5	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/17/2014 5:31:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	DNQ	2.6	mg/L	EPA 1664A	1.3	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/19/2014 4:12:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 12:20:00 AM	12/19/2014 4:12:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/13/2014 3:18:00 PM	Chloride	n/a	=	8.3	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/13/2014 3:18:00 PM	Fluoride	n/a	DNQ	0.033	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/16/2014 8:10:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 7:28:00 PM	Calcium	Total	=	14.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 7:28:00 PM	Magnesium	Total	=	5.18	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 12:16:00 PM	Alkalinity as CaCO3	n/a	=	21	mg/L	SM 2320 B	0.56	2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/18/2014 11:10:00 AM	BOD	n/a	=	8.4	mg/L	SM 5210 B	2	2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/19/2014 6:28:00 PM	COD	n/a	=	100	mg/L	EPA 410.4	0.73	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 7:28:00 PM	Hardness as CaCO3	Total	=	57.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/12/2014 9:34:00 PM	MBAS	n/a	DNQ	0.098	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/29/2014 11:14:00 AM	Phenolics	n/a	DNQ	0.0054	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 12:35:00 PM	Specific Conductance	n/a	=	100	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/18/2014 10:20:00 AM	Total Dissolved Solids	n/a	=	69	mg/L	SM 2540 C	4	10	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:51:00 AM	Total Organic Carbon	n/a	=	7.1	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/18/2014 12:42:00 PM	Total Suspended Solids	n/a	=	380	mg/L	SM 2540 D	-88	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/13/2014 11:25:00 AM	Turbidity	n/a	=	36	NTU	EPA 180.1	0.024	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/18/2014 12:42:00 PM	Volatile Suspended Solids	n/a	=	53	mg/L	EPA 160.4	3.1	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/26/2014 5:07:00 PM	Diesel Range Organics	n/a	DNQ	0.081	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/26/2014 5:07:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 2:30:00 AM	Aluminum	Dissolved	=	18	µg/L	EPA 200.8	2.1	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 3:01:00 AM	Aluminum	Total	=	6300	µg/L	EPA 200.8	2.1	5	WKL	HB-MSR

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 2:30:00 AM	Antimony	Dissolved	=	0.52	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 3:01:00 AM	Antimony	Total	=	1.8	µg/L	EPA 200.8	0.034	0.5	WKL	LB-MSR
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 2:30:00 AM	Arsenic	Dissolved	=	0.83	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 3:01:00 AM	Arsenic	Total	=	3.7	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 3:01:00 AM	Barium	Total	=	140	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/7/2015 3:43:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/7/2015 4:03:00 PM	Beryllium	Total	=	0.24	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 2:30:00 AM	Cadmium	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 3:01:00 AM	Cadmium	Total	=	0.83	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 2:30:00 AM	Chromium	Dissolved	=	0.39	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 3:01:00 AM	Chromium	Total	=	14	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/26/2014 2:39:00 PM	Chromium VI	n/a	=	0.28	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/7/2015 3:43:00 PM	Copper	Dissolved	=	4	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/7/2015 4:03:00 PM	Copper	Total	=	52	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 7:26:00 PM	Iron	Dissolved	=	44	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 7:28:00 PM	Iron	Total	=	12000	µg/L	EPA 200.7	1.1	10	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 2:30:00 AM	Lead	Dissolved	=	0.3	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 3:01:00 AM	Lead	Total	=	40	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 4:10:00 PM	Mercury	Dissolved	DNQ	7	ng/L	EPA 245.1	3.9	50	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 4:10:00 PM	Mercury	Total	=	51	ng/L	EPA 245.1	3.9	50	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 2:30:00 AM	Nickel	Dissolved	=	1	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 3:01:00 AM	Nickel	Total	=	17	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 2:30:00 AM	Selenium	Dissolved	DNQ	0.17	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 3:01:00 AM	Selenium	Total	DNQ	0.37	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 2:30:00 AM	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 3:01:00 AM	Silver	Total	DNQ	0.07	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 2:30:00 AM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 3:01:00 AM	Thallium	Total	DNQ	0.1	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 2:30:00 AM	Zinc	Dissolved	=	18	µg/L	EPA 200.8	0.5	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/6/2015 3:01:00 AM	Zinc	Total	=	340	µg/L	EPA 200.8	0.5	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/29/2014 7:29:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/17/2014 4:46:00 PM	Nitrate + Nitrite as N	n/a	=	0.39	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/2/2015 4:18:00 PM	Phosphorus as P	Dissolved	=	0.19	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/30/2014 6:15:00 PM	Phosphorus as P	Total	=	0.84	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/5/2015 3:10:00 PM	TKN	n/a	=	2	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	3.4	µg/L	EPA 625	2.3	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/23/2014 10:00:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Dimethoate	n/a	DNQ	0.0087	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/15/2014 5:59:00 PM	Glyphosate	n/a	=	7.1	µg/L	EPA 547	1.8	5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Malathion	n/a	=	0.099	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	Pentachlorophenol	n/a	DNQ	0.12	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/22/2014 11:39:00 PM	Pentachlorophenol	n/a	=	1	µg/L	EPA 625	0.19	1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 12:06:00 PM	Pentachlorophenol	n/a	DNQ	0.93	µg/L	EPA 8270Cm	0.15	1	WKL	LCSRPD, HB-L
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	1/3/2015 5:58:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 11:10:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/27/2014 2:22:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/20/2014 7:48:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-OXN	2014/15-3	Wet	12/12/2014 11:10:00 AM	12/24/2014 5:50:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/21/2015 8:30:00 AM	E. Coli	n/a	=	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/21/2015 8:30:00 AM	Total Coliform	n/a	=	209	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/26/2015 3:48:00 PM	Calcium	Total	=	66.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/26/2015 3:48:00 PM	Magnesium	Total	=	21.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/20/2015 7:35:00 AM	Conductivity	n/a	=	804	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/20/2015 7:35:00 AM	Discharge	n/a	=	0.14	cfs	Field Estimate	-88	-88	Field Crew	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/20/2015 7:35:00 AM	DO	n/a	=	8.76	mg/L	Field Meter	-88	0.3	Field Crew	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/20/2015 7:35:00 AM	DO	n/a	=	96.4	%	Field Meter	-88	0.1	Field Crew	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/26/2015 3:48:00 PM	Hardness as CaCO3	Total	=	253	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/20/2015 7:35:00 AM	pH	n/a	=	8.26	pH Units	Field Meter	-88	0.01	Field Crew	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/20/2015 7:35:00 AM	Salinity	n/a	=	400	mg/L	Field Meter	-88	100	Field Crew	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/20/2015 7:35:00 AM	Specific Conductance	n/a	=	893	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/20/2015 7:35:00 AM	Temperature	n/a	=	19.8	°C	Field Meter	-88	0.1	Field Crew	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/26/2015 11:01:00 AM	Total Organic Carbon	n/a	=	2.9	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	8/20/2015 7:35:00 AM	Turbidity	n/a	=	1.07	NTU	Field Meter	-88	0.01	Field Crew	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	9/2/2015 1:44:00 PM	Copper	Dissolved	=	1.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	9/2/2015 1:44:00 PM	Lead	Dissolved	DNQ	0.066	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-OXN	2015-DRY	Dry	8/20/2015 7:35:00 AM	9/2/2015 1:44:00 PM	Zinc	Dissolved	DNQ	2.3	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/7/2014 1:29:00 PM	Chloride	n/a	=	44	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/7/2014 1:29:00 PM	Fluoride	n/a	=	0.3	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/7/2014 11:08:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 11:15:00 PM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/3/2014 9:00:00 AM	Fecal Coliform	n/a	=	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 11:15:00 PM	Total Coliform	n/a	>	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:12:00 PM	Calcium	Total	=	75.5	mg/L	EPA 200.7	0.016	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:12:00 PM	Magnesium	Total	=	23.7	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 4:50:00 PM	Alkalinity as CaCO3	n/a	=	92	mg/L	SM 2320 B	0.56	2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	29	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	230	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 4:28:00 PM	Cyanide	Total	DNQ	0.001	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:12:00 PM	Hardness as CaCO3	Total	=	286	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/2/2014 4:09:00 PM	MBAS	n/a	=	0.11	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 1:20:00 AM	pH	n/a	=	7.84	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/10/2014 1:36:00 PM	Phenolics	n/a	=	0.045	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/7/2014 2:43:00 PM	Specific Conductance	n/a	=	750	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/1/2014 1:20:00 AM	Temperature	n/a	=	16.5	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	510	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	55	mg/L	SM 5310 C	0.36	12	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	150	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	56	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	=	34	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 5:34:00 PM	Diesel Range Organics	n/a	=	1.5	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/7/2014 8:25:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/5/2014 5:53:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 5:34:00 PM	Oil Range Organics	n/a	=	1.4	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 12:56:00 PM	Aluminum	Dissolved	=	26	µg/L	EPA 200.8	2.1	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:28:00 PM	Aluminum	Total	=	3300	µg/L	EPA 200.8	2.1	5	WKL	HB-MSR
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:26:00 PM	Antimony	Dissolved	=	1.2	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:31:00 PM	Antimony	Total	=	2.6	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:26:00 PM	Arsenic	Dissolved	=	2.7	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:31:00 PM	Arsenic	Total	=	4.9	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:31:00 PM	Barium	Total	=	79	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:26:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:31:00 PM	Beryllium	Total	=	0.15	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:26:00 PM	Cadmium	Dissolved	=	0.4	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:31:00 PM	Cadmium	Total	=	1	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:26:00 PM	Chromium	Dissolved	=	0.87	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:31:00 PM	Chromium	Total	=	9.9	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/4/2014 4:46:00 PM	Chromium VI	n/a	DNQ	0.17	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 12:56:00 PM	Copper	Dissolved	=	7.4	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:28:00 PM	Copper	Total	=	42	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 1:54:00 PM	Iron	Dissolved	=	200	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:12:00 PM	Iron	Total	=	6000	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:26:00 PM	Lead	Dissolved	=	0.9	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:31:00 PM	Lead	Total	=	11	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 6:38:00 PM	Mercury	Dissolved	DNQ	6	ng/L	EPA 245.1	3.9	50	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 6:38:00 PM	Mercury	Total	DNQ	25	ng/L	EPA 245.1	3.9	50	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:26:00 PM	Nickel	Dissolved	=	11	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:31:00 PM	Nickel	Total	=	20	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:26:00 PM	Selenium	Dissolved	=	2.1	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:31:00 PM	Selenium	Total	=	2.5	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:26:00 PM	Silver	Dissolved	DNQ	0.045	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:31:00 PM	Silver	Total	DNQ	0.15	µg/L	EPA 200.8	0.012	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:26:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:31:00 PM	Thallium	Total	DNQ	0.061	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:26:00 PM	Zinc	Dissolved	=	62	µg/L	EPA 200.8	0.5	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 6:31:00 PM	Zinc	Total	=	190	µg/L	EPA 200.8	0.5	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	1.8	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/3/2014 5:04:00 PM	Nitrate + Nitrite as N	n/a	=	2.6	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/14/2014 5:18:00 PM	Phosphorus as P	Dissolved	=	0.82	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/7/2014 8:33:00 PM	Phosphorus as P	Total	=	1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/12/2014 4:52:00 PM	TKN	n/a	=	5.2	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/5/2014 6:49:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	3-/4-Methylphenol	n/a	=	2.7	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Benzo(a)pyrene	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/18/2014 1:10:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Diethyl phthalate	n/a	=	1.6	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Di-n-butylphthalate	n/a	DNQ	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRDP
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/5/2014 6:49:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/8/2014 12:57:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	LB-LCSR
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	Dicamba	n/a	DNQ	0.27	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2m	0.024	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 1:20:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/3/2014 7:00:00 PM	Glyphosate	n/a	=	9.8	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Malathion	n/a	=	0.089	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 1:16:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	Pentachlorophenol	n/a	=	0.53	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/11/2014 3:48:00 AM	Pentachlorophenol	n/a	=	1	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/13/2014 7:19:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 2:58:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/19/2014 6:47:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2014/15-1	Wet	11/1/2014 1:20:00 AM	11/6/2014 7:05:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/15/2014 10:15:00 AM	Fecal Coliform	n/a	=	22000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2014/15-3	Wet	12/12/2014 6:30:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	24196	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/12/2014 3:00:00 AM	Conductivity	n/a	=	70.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/24/2014 3:54:00 PM	Cyanide	Total	=	0.0065	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/12/2014 3:00:00 AM	DO	n/a	=	8.17	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/12/2014 3:00:00 AM	DO	n/a	=	76.3	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/12/2014 3:00:00 AM	pH	n/a	=	7.71	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/12/2014 3:00:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/12/2014 3:00:00 AM	Specific Conductance	n/a	=	90.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/12/2014 3:00:00 AM	Temperature	n/a	=	13.2	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/17/2014 7:00:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/19/2014 1:40:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 3:00:00 AM	12/19/2014 1:40:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/13/2014 2:30:00 PM	Chloride	n/a	=	8.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/13/2014 2:30:00 PM	Fluoride	n/a	DNQ	0.037	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/16/2014 6:54:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/29/2014 9:00:00 PM	Calcium	Total	=	29	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/29/2014 9:00:00 PM	Magnesium	Total	=	8.53	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 1:15:00 PM	Alkalinity as CaCO3	n/a	=	49	mg/L	SM 2320 B	0.56	10	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/18/2014 11:10:00 AM	BOD	n/a	=	8.2	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 6:28:00 PM	COD	n/a	=	90	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/29/2014 9:00:00 PM	Hardness as CaCO3	Total	=	108	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/12/2014 9:34:00 PM	MBAS	n/a	DNQ	0.025	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/29/2014 10:50:00 AM	Phenolics	n/a	DNQ	0.0075	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:35:00 PM	Specific Conductance	n/a	=	210	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/18/2014 10:20:00 AM	Total Dissolved Solids	n/a	=	130	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/22/2014 7:50:00 AM	Total Organic Carbon	n/a	=	5.4	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/18/2014 12:42:00 PM	Total Suspended Solids	n/a	=	480	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/13/2014 11:25:00 AM	Turbidity	n/a	=	73	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/18/2014 12:42:00 PM	Volatile Suspended Solids	n/a	=	59	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/26/2014 3:37:00 PM	Diesel Range Organics	n/a	DNQ	0.062	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/26/2014 3:37:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 11:50:00 AM	Aluminum	Dissolved	=	32	µg/L	EPA 200.8	2.1	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 11:40:00 PM	Aluminum	Total	=	11000	µg/L	EPA 200.8	4.2	10	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 1:15:00 AM	Antimony	Dissolved	DNQ	0.33	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 3:04:00 AM	Antimony	Total	=	0.94	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 1:15:00 AM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 3:04:00 AM	Arsenic	Total	=	6	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 3:04:00 AM	Barium	Total	=	140	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 1:15:00 AM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 11:40:00 PM	Beryllium	Total	=	0.48	µg/L	EPA 200.8	0.03	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 1:15:00 AM	Cadmium	Dissolved	DNQ	0.05	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 3:04:00 AM	Cadmium	Total	=	0.93	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 1:15:00 AM	Chromium	Dissolved	=	0.38	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 3:04:00 AM	Chromium	Total	=	20	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/26/2014 12:50:00 PM	Chromium VI	n/a	=	0.28	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 10:31:00 PM	Copper	Dissolved	=	2.5	µg/L	EPA 200.8	0.036	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 11:40:00 PM	Copper	Total	=	40	µg/L	EPA 200.8	0.072	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/29/2014 8:58:00 PM	Iron	Dissolved	=	46	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/29/2014 9:00:00 PM	Iron	Total	=	16000	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 1:15:00 AM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 3:04:00 AM	Lead	Total	=	26	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 4:10:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 4:10:00 PM	Mercury	Total	DNQ	35	ng/L	EPA 245.1	3.9	50	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 1:15:00 AM	Nickel	Dissolved	=	0.84	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 11:40:00 PM	Nickel	Total	=	20	µg/L	EPA 200.8	0.18	1.6	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 1:15:00 AM	Selenium	Dissolved	=	0.65	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 3:04:00 AM	Selenium	Total	=	0.99	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 1:15:00 AM	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 3:04:00 AM	Silver	Total	DNQ	0.11	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 1:15:00 AM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 3:04:00 AM	Thallium	Total	DNQ	0.18	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 1:15:00 AM	Zinc	Dissolved	DNQ	4.9	µg/L	EPA 200.8	0.5	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/7/2015 3:04:00 AM	Zinc	Total	=	220	µg/L	EPA 200.8	0.5	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/29/2014 7:29:00 PM	Ammonia as N	n/a	=	0.32	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/17/2014 4:09:00 PM	Nitrate + Nitrite as N	n/a	=	0.7	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	1/2/2015 4:36:00 PM	Phosphorus as P	Dissolved	=	0.97	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/30/2014 6:10:00 PM	Phosphorus as P	Total	=	1.2	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/30/2014 7:02:00 PM	TKN	n/a	=	3.1	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Diethyl phthalate	n/a	=	1.1	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:21:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	4,4'-DDE	n/a	DNQ	0.0028	µg/L	EPA 608	0.0025	0.05	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Chlorpyrifos	n/a	=	0.012	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	DCCA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/15/2014 5:59:00 PM	Glyphosate	n/a	DNQ	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Malathion	n/a	DNQ	0.0092	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	Pentachlorophenol	n/a	=	0.2	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/19/2014 8:36:00 AM	Pentachlorophenol	n/a	=	1.1	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 10:37:00 AM	Pentachlorophenol	n/a	DNQ	0.84	µg/L	EPA 8270Cm	0.15	1	WKL	LCSRPD, HB-L
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/23/2014 8:12:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Ronnel (Fenclorophos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Simazine	n/a	=	0.12	µg/L	EPA 525.2	0.015	0.1	WKL	HB-LCSR
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/27/2014 12:50:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/20/2014 6:34:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2014/15-3	Wet	12/12/2014 12:00:00 PM	12/24/2014 4:37:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/19/2015 4:57:00 PM	Chloride	n/a	=	32	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/19/2015 4:57:00 PM	Fluoride	n/a	=	0.2	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/21/2015 6:21:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/26/2015 12:44:00 PM	Calcium	Total	=	91.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/26/2015 12:44:00 PM	Magnesium	Total	=	19.7	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/22/2015 11:03:00 AM	Alkalinity as CaCO3	n/a	=	92	mg/L	SM 2320 B	0.56	2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/20/2015 6:20:00 PM	BOD	n/a	=	15	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/20/2015 4:34:00 PM	COD	n/a	=	240	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/26/2015 12:44:00 PM	Hardness as CaCO3	Total	=	310	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/15/2015 8:59:00 PM	MBAS	n/a	=	0.16	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 11:46:00 AM	Phenolics	n/a	=	0.039	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/26/2015 11:19:00 AM	Specific Conductance	n/a	=	660	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/21/2015 4:55:00 PM	Total Dissolved Solids	n/a	=	420	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/1/2015 3:51:00 PM	Total Organic Carbon	n/a	=	22	mg/L	SM 5310 C	0.09	3	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/20/2015 1:31:00 PM	Total Suspended Solids	n/a	=	250	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/16/2015 2:58:00 PM	Turbidity	n/a	=	38	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/20/2015 1:31:00 PM	Volatile Suspended Solids	n/a	=	58	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Aluminum	Dissolved	=	12	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Aluminum	Total	=	4200	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Antimony	Dissolved	=	1.9	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Antimony	Total	=	3.1	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Arsenic	Total	=	4.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Barium	Total	=	80	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Beryllium	Total	=	0.13	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Cadmium	Dissolved	DNQ	0.083	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Cadmium	Total	=	0.88	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Chromium	Dissolved	=	0.8	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Chromium	Total	=	11	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/20/2015 12:23:00 PM	Chromium VI	n/a	=	0.73	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Copper	Dissolved	=	6.9	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Copper	Total	=	39	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/26/2015 12:13:00 PM	Iron	Dissolved	=	50	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/26/2015 12:44:00 PM	Iron	Total	=	7000	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Lead	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Lead	Total	=	11	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/21/2015 6:05:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/21/2015 6:05:00 PM	Mercury	Total	DNQ	25	ng/L	EPA 245.1	3.9	50	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Nickel	Dissolved	=	4.2	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Nickel	Total	=	14	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Selenium	Dissolved	=	4.4	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Selenium	Total	=	5.1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Silver	Total	DNQ	0.11	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Thallium	Total	DNQ	0.06	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:11:00 PM	Zinc	Dissolved	=	24	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/27/2015 3:20:00 PM	Zinc	Total	=	180	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/18/2015 4:34:00 PM	Ammonia as N	n/a	=	0.76	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/18/2015 12:23:00 PM	Nitrate + Nitrite as N	n/a	=	1.8	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/28/2015 12:31:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/28/2015 11:51:00 AM	Phosphorus as P	Total	=	1.3	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/22/2015 4:20:00 PM	TKN	n/a	=	6.2	mg/L	EPA 351.2	0.1	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270Cm	2.9	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270Cm	3	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270Cm	5.1	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270Cm	6.5	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270Cm	3.4	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270Cm	7.1	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270Cm	3	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270Cm	1.4	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270Cm	3.7	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Benzidene	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.36	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 1:31:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270Cm	3.5	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/2/2015 11:31:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	2,4-D	n/a	=	2.6	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	2,4-DB	n/a	DNQ	0.89	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	Dicamba	n/a	DNQ	0.21	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Dichlorvos	n/a	DNQ	0.0087	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Fensulfothion	n/a	=	0.014	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/18/2015 12:23:00 PM	Glyphosate	n/a	DNQ	4.2	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Malathion	n/a	=	0.064	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	Pentachlorophenol	n/a	=	0.32	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/6/2015 2:42:00 PM	Pentachlorophenol	n/a	DNQ	5.6	µg/L	EPA 625	1.9	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/3/2015 3:34:00 AM	Pentachlorophenol	n/a	DNQ	7.5	µg/L	EPA 8270Cm	1.5	10	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/29/2015 11:10:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/5/2015 5:17:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	6/13/2015 8:39:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2014/15-5	Wet	5/15/2015 9:10:00 AM	5/30/2015 10:45:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 3:45:00 PM	Chloride	n/a	=	180	mg/L	EPA 300.0	0.25	1.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 3:45:00 PM	Fluoride	n/a	=	0.51	mg/L	EPA 300.0	0.05	0.25	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/9/2015 12:26:00 PM	Perchlorate	n/a	DNQ	3.4	µg/L	EPA 314.0	1.9	4	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/8/2015 9:00:00 AM	E. Coli	n/a	=	107	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/10/2015 12:00:00 PM	Fecal Coliform	n/a	=	110000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/8/2015 9:00:00 AM	Total Coliform	n/a	=	6970	MPN/100 mL	MMO-MUG	100	100	VCHCA	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/13/2015 4:54:00 PM	Calcium	Total	=	303	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/13/2015 4:54:00 PM	Magnesium	Total	=	108	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/8/2015 2:35:00 PM	Alkalinity as CaCO3	n/a	=	240	mg/L	SM 2320 B	0.56	10	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/13/2015 2:40:00 AM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/10/2015 11:02:00 AM	COD	n/a	=	8.7	mg/L	EPA 410.4	0.73	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/7/2015 9:20:00 AM	Conductivity	n/a	=	2533	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/9/2015 4:39:00 PM	Cyanide	Total	<	0.0005	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/7/2015 9:20:00 AM	DO	n/a	=	133.2	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/7/2015 9:20:00 AM	DO	n/a	=	11.82	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/13/2015 4:54:00 PM	Hardness as CaCO3	Total	=	1200	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/8/2015 7:04:00 PM	MBAS	n/a	DNQ	0.036	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/7/2015 9:20:00 AM	pH	n/a	=	8.15	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/13/2015 10:32:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/7/2015 9:20:00 AM	Salinity	n/a	=	1400	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/7/2015 9:20:00 AM	Specific Conductance	n/a	=	2750	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 10:04:00 AM	Specific Conductance	n/a	=	3200	µmhos/cm	SM 2510 B	0.7	6	Field Crew	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/7/2015 9:20:00 AM	Temperature	n/a	=	20.8	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/8/2015 3:10:00 PM	Total Dissolved Solids	n/a	=	2200	mg/L	SM 2540 C	4	10	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/8/2015 8:55:00 PM	Total Organic Carbon	n/a	=	2.6	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/13/2015 12:11:00 PM	Total Suspended Solids	n/a	DNQ	1	mg/L	SM 2540 D	-88	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/8/2015 5:19:00 PM	Turbidity	n/a	=	0.53	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/13/2015 12:11:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 12:55:00 PM	Diesel Range Organics	n/a	DNQ	0.096	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/13/2015 6:45:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/10/2015 4:43:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 12:55:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Aluminum	Dissolved	<	1.3	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Aluminum	Total	=	7.6	µg/L	EPA 200.8	1.3	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Antimony	Dissolved	DNQ	0.15	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Antimony	Total	DNQ	0.13	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Arsenic	Total	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Barium	Total	=	16	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Cadmium	Dissolved	=	0.1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Cadmium	Total	=	0.12	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Chromium	Dissolved	=	1.4	µg/L	EPA 200.8	0.035	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Chromium	Total	=	1.5	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/8/2015 1:30:00 PM	Chromium VI	n/a	=	1.7	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Copper	Dissolved	=	0.53	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Copper	Total	=	0.6	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/13/2015 4:43:00 PM	Iron	Dissolved	<	1.1	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/13/2015 4:54:00 PM	Iron	Total	=	23	µg/L	EPA 200.7	1.1	10	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Lead	Total	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/20/2015 3:49:00 PM	Mercury	Dissolved	DNQ	19	ng/L	EPA 245.1	3.9	50	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/20/2015 3:49:00 PM	Mercury	Total	DNQ	14	ng/L	EPA 245.1	3.9	50	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Nickel	Dissolved	=	1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Nickel	Total	=	1.1	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Selenium	Dissolved	=	35	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Selenium	Total	=	33	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 2:37:00 PM	Zinc	Dissolved	DNQ	1.3	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/12/2015 3:40:00 PM	Zinc	Total	DNQ	1.2	µg/L	EPA 200.8	0.94	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/8/2015 11:59:00 AM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/8/2015 3:09:00 PM	Nitrate + Nitrite as N	n/a	=	9.9	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/10/2015 11:45:00 AM	Phosphorus as P	Dissolved	=	0.012	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/10/2015 11:23:00 AM	Phosphorus as P	Total	=	0.021	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/20/2015 4:01:00 PM	TKN	n/a	<	0.05	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/8/2015 6:51:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.31	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Diethyl phthalate	n/a	=	1.8	µg/L	EPA 625	0.15	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/8/2015 6:51:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	Phenol	n/a	DNQ	0.4	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/15/2015 4:39:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	LB-LCSR
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/13/2015 4:41:00 PM	Glyphosate	n/a	DNQ	2.6	µg/L	EPA 547	1.8	5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 6:38:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/16/2015 9:14:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/11/2015 9:28:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/18/2015 2:07:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/21/2015 3:20:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SIM	2014/15-6	Dry	7/7/2015 9:20:00 AM	7/14/2015 7:57:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/20/2015 9:28:46 AM	E. Coli	n/a	=	2682	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/20/2015 9:28:46 AM	Total Coliform	n/a	=	139600	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/26/2015 3:56:00 PM	Calcium	Total	=	294	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/26/2015 3:56:00 PM	Magnesium	Total	=	99.9	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/19/2015 12:30:00 PM	Conductivity	n/a	=	2679	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/19/2015 12:30:00 PM	Discharge	n/a	=	0.14	cfs	Field Estimate	-88	-88	Field Crew	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/19/2015 12:30:00 PM	DO	n/a	=	13.18	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/19/2015 12:30:00 PM	DO	n/a	=	161.7	%	Field Meter	-88	0.1	Field Crew	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/26/2015 3:56:00 PM	Hardness as CaCO3	Total	=	1150	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/19/2015 12:30:00 PM	pH	n/a	=	8.01	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/19/2015 12:30:00 PM	Salinity	n/a	=	1400	mg/L	Field Meter	-88	100	Field Crew	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/19/2015 12:30:00 PM	Specific Conductance	n/a	=	2672	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/19/2015 12:30:00 PM	Temperature	n/a	=	25.2	°C	Field Meter	-88	0.1	Field Crew	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/26/2015 11:01:00 AM	Total Organic Carbon	n/a	=	2.8	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	8/19/2015 12:30:00 PM	Turbidity	n/a	=	2.55	NTU	Field Meter	-88	0.01	Field Crew	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	9/2/2015 1:57:00 PM	Copper	Dissolved	=	0.65	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	9/2/2015 1:57:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SIM	2015-DRY	Dry	8/19/2015 12:30:00 PM	9/2/2015 1:57:00 PM	Zinc	Dissolved	DNQ	0.98	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 12:49:00 PM	Chloride	n/a	=	15	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 12:49:00 PM	Fluoride	n/a	=	0.23	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:08:00 PM	Perchlorate	n/a	=	27	µg/L	EPA 314.0	4.8	10	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 2:07:00 PM	Calcium	Total	=	39.1	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 2:07:00 PM	Magnesium	Total	=	10.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 1:45:00 PM	Alkalinity as CaCO3	n/a	=	61	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	42	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	500	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 2:07:00 PM	Hardness as CaCO3	Total	=	142	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/2/2014 4:09:00 PM	MBAS	n/a	=	0.62	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/10/2014 3:43:00 PM	Phenolics	n/a	=	0.1	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 1:08:00 PM	Specific Conductance	n/a	=	300	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	270	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	82	mg/L	SM 5310 C	0.36	12	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	540	mg/L	SM 2540 D	-88	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	97	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	=	120	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/14/2014 3:45:00 PM	Diesel Range Organics	n/a	=	2.5	mg/L	EPA 8015B	0.24	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 4:33:00 PM	Oil Range Organics	n/a	=	3.9	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:42:00 PM	Aluminum	Dissolved	=	71	µg/L	EPA 200.8	2.1	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 1:17:00 PM	Aluminum	Total	=	10000	µg/L	EPA 200.8	10	25	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:44:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:49:00 PM	Antimony	Total	=	4	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:44:00 PM	Arsenic	Dissolved	=	1.4	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:49:00 PM	Arsenic	Total	=	5.6	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:49:00 PM	Barium	Total	=	310	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:44:00 PM	Beryllium	Dissolved	DNQ	0.018	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:49:00 PM	Beryllium	Total	=	0.42	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:44:00 PM	Cadmium	Dissolved	=	0.3	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:49:00 PM	Cadmium	Total	=	1.8	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:44:00 PM	Chromium	Dissolved	=	1.9	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:49:00 PM	Chromium	Total	=	23	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/4/2014 4:46:00 PM	Chromium VI	n/a	=	0.57	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:42:00 PM	Copper	Dissolved	=	23	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 1:17:00 PM	Copper	Total	=	98	µg/L	EPA 200.8	0.18	2.5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:49:00 PM	Iron	Dissolved	=	190	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 2:07:00 PM	Iron	Total	=	17000	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:44:00 PM	Lead	Dissolved	=	3	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:49:00 PM	Lead	Total	=	79	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:38:00 PM	Mercury	Dissolved	DNQ	8	ng/L	EPA 245.1	3.9	50	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:38:00 PM	Mercury	Total	=	78	ng/L	EPA 245.1	3.9	50	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:44:00 PM	Nickel	Dissolved	=	12	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:49:00 PM	Nickel	Total	=	33	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:44:00 PM	Selenium	Dissolved	=	0.99	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:49:00 PM	Selenium	Total	=	1.4	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:44:00 PM	Silver	Dissolved	DNQ	0.12	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:49:00 PM	Silver	Total	=	0.44	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:44:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:49:00 PM	Thallium	Total	DNQ	0.18	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:44:00 PM	Zinc	Dissolved	=	210	µg/L	EPA 200.8	0.5	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/12/2014 5:49:00 PM	Zinc	Total	=	700	µg/L	EPA 200.8	0.5	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	1.8	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/3/2014 4:59:00 PM	Nitrate + Nitrite as N	n/a	=	2.9	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/14/2014 5:12:00 PM	Phosphorus as P	Dissolved	=	1.8	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 8:12:00 PM	Phosphorus as P	Total	=	2.3	mg/L	EPA 365.1	0.028	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/5/2014 5:27:00 PM	TKN	n/a	=	9.2	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/1/2014 2:47:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	3-4-Methylphenol	n/a	DNQ	0.33	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/18/2014 12:40:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Diethyl phthalate	n/a	DNQ	0.63	µg/L	EPA 625	0.15	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Di-n-butylphthalate	n/a	DNQ	0.36	µg/L	EPA 625	0.24	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/7/2014 11:50:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	PCB Aroclor 1016	n/a	<	0.5	µg/L	EPA 608	0.5	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	PCB Aroclor 1221	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	PCB Aroclor 1232	n/a	<	1.5	µg/L	EPA 608	1.5	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	PCB Aroclor 1242	n/a	<	0.7	µg/L	EPA 608	0.7	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	PCB Aroclor 1248	n/a	<	0.6	µg/L	EPA 608	0.6	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	PCB Aroclor 1254	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	PCB Aroclor 1260	n/a	<	0.4	µg/L	EPA 608	0.4	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	4,4'-DDD	n/a	<	0.03	µg/L	EPA 608	0.03	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	4,4'-DDE	n/a	<	0.025	µg/L	EPA 608	0.025	0.5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	4,4'-DDT	n/a	<	0.031	µg/L	EPA 608	0.031	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	Aldrin	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	alpha-BHC	n/a	<	0.018	µg/L	EPA 608	0.018	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	alpha-Chlordane	n/a	<	0.041	µg/L	EPA 608	0.041	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	beta-BHC	n/a	<	0.031	µg/L	EPA 608	0.031	0.05	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	Chlordane (technical)	n/a	<	0.8	µg/L	EPA 608	0.8	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Chlorpyrifos	n/a	=	0.032	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	delta-BHC	n/a	<	0.025	µg/L	EPA 608	0.025	0.05	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Diazinon	n/a	DNQ	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	Dicamba	n/a	DNQ	0.2	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	Dieldrin	n/a	<	0.021	µg/L	EPA 608	0.021	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	Endosulfan I	n/a	<	0.017	µg/L	EPA 608	0.017	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	Endosulfan II	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	Endosulfan sulfate	n/a	<	0.08	µg/L	EPA 608	0.08	0.5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	Endrin	n/a	<	0.028	µg/L	EPA 608	0.028	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	Endrin aldehyde	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	gamma-BHC (Lindane)	n/a	<	0.021	µg/L	EPA 608	0.021	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	gamma-Chlordane	n/a	<	0.044	µg/L	EPA 608	0.044	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/5/2014 5:18:00 PM	Glyphosate	n/a	=	30	µg/L	EPA 547	9	25	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	Heptachlor	n/a	<	0.017	µg/L	EPA 608	0.017	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	Heptachlor epoxide	n/a	<	0.019	µg/L	EPA 608	0.019	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Malathion	n/a	=	0.65	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	Methoxychlor	n/a	<	0.054	µg/L	EPA 608	0.054	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 10:51:00 AM	Pentachlorophenol	n/a	=	0.66	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/11/2014 2:47:00 AM	Pentachlorophenol	n/a	=	1.3	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 12:18:00 AM	Pentachlorophenol	n/a	=	2.3	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/13/2014 6:10:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Stirophos (Tetrachlorvinphos)	n/a	=	0.012	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 1:57:00 AM	Toxaphene	n/a	<	1.2	µg/L	EPA 608	1.2	5	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/20/2014 4:49:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2014/15-1	Wet	11/1/2014 10:51:00 AM	11/6/2014 6:16:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/3/2014 8:00:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/4/2014 10:04:00 AM	Fecal Coliform	n/a	=	49000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/3/2014 8:00:00 AM	Total Coliform	n/a	=	72200	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	Conductivity	n/a	=	58.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/12/2014 5:40:00 PM	Cyanide	Total	<	0.00048	mg/L	ASTM D7511	0.00048	0.002	WKL	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	DO	n/a	=	94.6	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	DO	n/a	=	9.6	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	pH	n/a	=	6.26	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	Specific Conductance	n/a	=	72.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/2/2014 10:10:00 AM	Temperature	n/a	=	14.7	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/9/2014 12:24:00 AM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/5/2014 5:13:00 PM	Oil and Grease	n/a	DNQ	2.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/8/2014 12:41:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2014/15-2	Wet	12/2/2014 10:10:00 AM	12/8/2014 12:41:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 3:43:00 PM	Chloride	n/a	=	4.3	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 3:43:00 PM	Fluoride	n/a	DNQ	0.079	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/5/2014 2:07:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:20:00 PM	Calcium	Total	=	14.6	mg/L	EPA 200.7	0.016	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:20:00 PM	Magnesium	Total	=	3.11	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 8:11:00 AM	COD	n/a	=	110	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:20:00 PM	Hardness as CaCO3	Total	=	49.4	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/4/2014 6:47:00 PM	MBAS	n/a	=	0.25	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/19/2014 4:50:00 PM	Phenolics	n/a	=	0.016	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/10/2014 8:50:00 AM	Total Dissolved Solids	n/a	=	88	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/17/2014 11:51:00 AM	Total Organic Carbon	n/a	=	13	mg/L	SM 5310 C	0.072	2.4	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/7/2014 11:55:00 AM	Total Suspended Solids	n/a	=	140	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/7/2014 11:55:00 AM	Volatile Suspended Solids	n/a	=	23	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 1:39:00 PM	Diesel Range Organics	n/a	=	0.67	mg/L	EPA 8015B	0.024	n/a	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 1:39:00 PM	Oil Range Organics	n/a	=	1	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:54:00 PM	Aluminum	Dissolved	=	34	µg/L	EPA 200.8	2.1	5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Aluminum	Total	=	2600	µg/L	EPA 200.8	2.1	5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Antimony	Dissolved	=	0.92	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Antimony	Total	=	2	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:54:00 PM	Arsenic	Dissolved	=	0.81	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Arsenic	Total	=	1.8	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Barium	Total	=	94	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:54:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Beryllium	Total	DNQ	0.086	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:54:00 PM	Cadmium	Dissolved	=	0.15	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Cadmium	Total	=	0.54	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:54:00 PM	Chromium	Dissolved	=	2.1	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Chromium	Total	=	7.1	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/5/2014 6:03:00 PM	Chromium VI	n/a	=	1.6	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:54:00 PM	Copper	Dissolved	=	16	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Copper	Total	=	36	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 2:55:00 PM	Iron	Dissolved	=	68	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:20:00 PM	Iron	Total	=	3800	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:54:00 PM	Lead	Dissolved	=	1.1	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Lead	Total	=	20	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 3:45:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 3:45:00 PM	Mercury	Total	DNQ	30	ng/L	EPA 245.1	3.9	50	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:54:00 PM	Nickel	Dissolved	=	3.6	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Nickel	Total	=	8.8	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:54:00 PM	Selenium	Dissolved	DNQ	0.24	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Selenium	Total	=	0.4	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:54:00 PM	Silver	Dissolved	DNQ	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Silver	Total	DNQ	0.054	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:54:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Thallium	Total	DNQ	0.037	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:54:00 PM	Zinc	Dissolved	=	69	µg/L	EPA 200.8	0.5	5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 3:58:00 PM	Zinc	Total	=	190	µg/L	EPA 200.8	0.5	5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/12/2014 12:48:00 PM	Ammonia as N	n/a	=	0.25	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/16/2014 5:04:00 PM	Nitrate + Nitrite as N	n/a	=	1	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 3:42:00 PM	Phosphorus as P	Dissolved	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/18/2014 7:23:00 PM	Phosphorus as P	Total	=	0.62	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/16/2014 4:35:00 PM	TKN	n/a	=	2.2	mg/L	EPA 351.2	0.05	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	1.5	µg/L	EPA 525.2	1.1	3	WKL	LCSRPD, HB-L
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Chlorpyrifos	n/a	=	0.031	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	DCCA (Daacthal)	n/a	=	0.22	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	Dichlorprop	n/a	DNQ	0.098	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Malathion	n/a	=	0.29	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Methyl parathion	n/a	DNQ	0.0084	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	Pentachlorophenol	n/a	=	0.74	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/6/2014 2:28:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0057	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/9/2014 3:03:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2014/15-2	Wet	12/3/2014 10:18:00 AM	12/15/2014 10:17:00 PM	Triithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/11/2014 11:55:00 PM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	15531	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-SPA	2014/15-3	Wet	12/11/2014 11:55:00 PM	12/14/2014 10:00:00 AM	Fecal Coliform	n/a	=	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-SPA	2014/15-3	Wet	12/11/2014 11:55:00 PM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	1046200	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-SPA	2014/15-3	Wet	12/11/2014 11:55:00 PM	12/24/2014 3:54:00 PM	Cyanide	Total	DNQ	0.0014	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-SPA	2014/15-3	Wet	12/11/2014 11:55:00 PM	12/17/2014 6:00:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/11/2014 11:55:00 PM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	DNQ	2.8	mg/L	EPA 1664A	1.3	5	WKL	
MO-SPA	2014/15-3	Wet	12/11/2014 11:55:00 PM	12/18/2014 2:52:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-SPA	2014/15-3	Wet	12/11/2014 11:55:00 PM	12/18/2014 2:52:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/13/2014 12:55:00 PM	Chloride	n/a	=	2.5	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/13/2014 12:55:00 PM	Fluoride	n/a	DNQ	0.03	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/13/2014 6:16:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/29/2014 8:50:00 PM	Calcium	Total	=	12.3	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/29/2014 8:50:00 PM	Magnesium	Total	=	3.96	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 12:16:00 PM	Alkalinity as CaCO3	n/a	=	23	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/18/2014 11:10:00 AM	BOD	n/a	=	11	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 6:28:00 PM	COD	n/a	=	110	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/12/2014 10:30:00 AM	Conductivity	n/a	=	1.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/12/2014 10:30:00 AM	DO	n/a	=	9.4	mg/L	Field Meter	-88	0.3	Field Crew	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/12/2014 10:30:00 AM	DO	n/a	=	96.1	%	Field Meter	-88	0.1	Field Crew	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/29/2014 10:30:00 AM	Hardness as CaCO3	Total	=	47.1	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/12/2014 9:34:00 PM	MBAS	n/a	DNQ	0.096	mg/L	SM 5540 C	0.038	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/12/2014 10:30:00 AM	pH	n/a	=	7.49	pH Units	Field Meter	-88	0.01	Field Crew	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/29/2014 11:06:00 AM	Phenolics	n/a	=	0.042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/12/2014 10:30:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/12/2014 10:30:00 AM	Specific Conductance	n/a	=	1.9	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 5:41:00 PM	Specific Conductance	n/a	=	90	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/12/2014 10:30:00 AM	Temperature	n/a	=	16.3	°C	Field Meter	-88	0.1	Field Crew	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/17/2014 9:20:00 AM	Total Dissolved Solids	n/a	=	60	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/22/2014 7:50:00 AM	Total Organic Carbon	n/a	=	11	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/17/2014 8:45:00 PM	Total Suspended Solids	n/a	=	340	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/12/2014 9:18:00 PM	Turbidity	n/a	=	61	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/17/2014 8:45:00 PM	Volatile Suspended Solids	n/a	=	54	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/18/2014 10:13:00 PM	Diesel Range Organics	n/a	=	0.29	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:51:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 12:59:00 AM	Aluminum	Dissolved	=	30	µg/L	EPA 200.8	2.1	5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 2:48:00 AM	Aluminum	Total	=	6800	µg/L	EPA 200.8	2.1	5	WKL	HB-MSR
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 12:59:00 AM	Antimony	Dissolved	=	0.52	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 2:48:00 AM	Antimony	Total	=	1.3	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 12:59:00 AM	Arsenic	Dissolved	=	0.95	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 2:48:00 AM	Arsenic	Total	=	3.7	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 2:48:00 AM	Barium	Total	=	170	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 12:59:00 AM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 11:30:00 PM	Beryllium	Total	=	0.3	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 12:59:00 AM	Cadmium	Dissolved	DNQ	0.09	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 2:48:00 AM	Cadmium	Total	=	0.88	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 12:59:00 AM	Chromium	Dissolved	=	0.62	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 2:48:00 AM	Chromium	Total	=	12	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 12:26:00 PM	Chromium VI	n/a	=	0.37	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 10:22:00 PM	Copper	Dissolved	=	8.3	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 11:30:00 PM	Copper	Total	=	43	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/29/2014 8:47:00 PM	Iron	Dissolved	=	55	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/29/2014 8:50:00 PM	Iron	Total	=	9200	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 12:59:00 AM	Lead	Dissolved	=	0.4	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 2:48:00 AM	Lead	Total	=	44	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 4:07:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 4:07:00 PM	Mercury	Total	=	69	ng/L	EPA 245.1	3.9	50	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 12:59:00 AM	Nickel	Dissolved	=	1.6	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 11:30:00 PM	Nickel	Total	=	14	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 12:59:00 AM	Selenium	Dissolved	DNQ	0.18	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 2:48:00 AM	Selenium	Total	DNQ	0.35	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 12:59:00 AM	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 2:48:00 AM	Silver	Total	DNQ	0.08	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 12:59:00 AM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 2:48:00 AM	Thallium	Total	DNQ	0.09	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 12:59:00 AM	Zinc	Dissolved	=	32	µg/L	EPA 200.8	0.5	5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/7/2015 2:48:00 AM	Zinc	Total	=	270	µg/L	EPA 200.8	0.5	5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 4:22:00 PM	Ammonia as N	n/a	=	0.26	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/17/2014 4:05:00 PM	Nitrate + Nitrite as N	n/a	=	0.78	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	1/2/2015 5:05:00 PM	Phosphorus as P	Dissolved	=	0.72	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/30/2014 6:04:00 PM	Phosphorus as P	Total	=	0.88	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/30/2014 7:02:00 PM	TKN	n/a	=	3.3	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	2-Chloronaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Bis(2-ethylhexyl)phthalate	n/a	=	11	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 3:31:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	80	µg/L	EPA 625	12	25	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Fluoranthene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:16:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Chlorpyrifos	n/a	=	0.024	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	DCPA (Dacthal)	n/a	DNQ	0.098	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/15/2014 5:59:00 PM	Glyphosate	n/a	=	1.8	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Malathion	n/a	=	0.047	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 9:37:00 AM	Pentachlorophenol	n/a	=	2.7	µg/L	EPA 8270Cm	0.15	1	WKL	LCSRPD, HB-L
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 7:04:00 AM	Pentachlorophenol	n/a	=	0.65	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/19/2014 7:36:00 AM	Pentachlorophenol	n/a	=	1.4	µg/L	EPA 625	0.19	1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/23/2014 5:45:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 10:30:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.0041	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/26/2014 11:49:00 PM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/20/2014 5:45:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2014/15-3	Wet	12/12/2014 10:30:00 AM	12/24/2014 3:48:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/19/2015 3:50:00 PM	Chloride	n/a	=	8.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/19/2015 3:50:00 PM	Fluoride	n/a	=	0.17	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/21/2015 4:53:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/26/2015 12:39:00 PM	Calcium	Total	=	24.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/26/2015 12:39:00 PM	Magnesium	Total	=	6.74	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/22/2015 11:03:00 AM	Alkalinity as CaCO3	n/a	=	42	mg/L	SM 2320 B	0.56	2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/20/2015 6:20:00 PM	BOD	n/a	=	19	mg/L	SM 5210 B	2	2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/20/2015 4:34:00 PM	COD	n/a	=	320	mg/L	EPA 410.4	0.73	5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/26/2015 12:39:00 PM	Hardness as CaCO3	Total	=	88.7	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/15/2015 8:59:00 PM	MBAS	n/a	=	0.79	mg/L	SM 5540 C	0.076	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 11:43:00 AM	Phenolics	n/a	=	0.06	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/26/2015 11:19:00 AM	Specific Conductance	n/a	=	180	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/21/2015 4:55:00 PM	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/1/2015 3:51:00 PM	Total Organic Carbon	n/a	=	45	mg/L	SM 5310 C	0.18	6	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/20/2015 1:31:00 PM	Total Suspended Solids	n/a	=	270	mg/L	SM 2540 D	-88	5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/16/2015 2:58:00 PM	Turbidity	n/a	=	79	NTU	EPA 180.1	0.024	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/20/2015 1:31:00 PM	Volatile Suspended Solids	n/a	=	70	mg/L	EPA 160.4	3.1	5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Aluminum	Dissolved	=	51	µg/L	EPA 200.8	1.3	5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Aluminum	Total	=	7400	µg/L	EPA 200.8	1.3	5	WKL	HB-MSR
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Antimony	Dissolved	=	1.7	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Antimony	Total	=	3.3	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Arsenic	Total	=	3.4	µg/L	EPA 200.8	0.074	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Barium	Total	=	180	µg/L	EPA 200.8	0.071	0.5	WKL	HB-MSR
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Beryllium	Total	=	0.3	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Cadmium	Dissolved	=	0.19	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Cadmium	Total	=	1.3	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Chromium	Dissolved	=	1.6	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Chromium	Total	=	16	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/20/2015 11:59:00 AM	Chromium VI	n/a	=	1.4	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Copper	Dissolved	=	17	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Copper	Total	=	69	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/26/2015 12:08:00 PM	Iron	Dissolved	=	180	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/26/2015 12:39:00 PM	Iron	Total	=	11000	µg/L	EPA 200.7	1.1	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Lead	Dissolved	=	1.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Lead	Total	=	47	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/21/2015 6:05:00 PM	Mercury	Dissolved	DNQ	6	ng/L	EPA 245.1	3.9	50	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/21/2015 6:05:00 PM	Mercury	Total	DNQ	37	ng/L	EPA 245.1	3.9	50	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Nickel	Dissolved	=	6.3	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Nickel	Total	=	20	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Selenium	Dissolved	DNQ	0.37	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Selenium	Total	=	0.68	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Silver	Total	DNQ	0.17	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Thallium	Total	DNQ	0.092	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 2:54:00 PM	Zinc	Dissolved	=	98	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/27/2015 3:55:00 PM	Zinc	Total	=	430	µg/L	EPA 200.8	0.94	5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/18/2015 4:34:00 PM	Ammonia as N	n/a	=	0.81	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/18/2015 12:10:00 PM	Nitrate + Nitrite as N	n/a	=	0.95	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/28/2015 12:39:00 PM	Phosphorus as P	Dissolved	=	0.29	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/28/2015 11:48:00 AM	Phosphorus as P	Total	=	1.1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/22/2015 4:20:00 PM	TKN	n/a	=	4.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270Cm	2.9	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270Cm	3	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270Cm	5.1	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270Cm	6.5	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270Cm	3.4	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270Cm	7.1	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	3-4-Methylphenol	n/a	<	3	µg/L	EPA 8270Cm	3	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270Cm	1.4	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270Cm	3.7	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Ben-zidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Bis(2-ethylhexyl)adipate	n/a	DNQ	0.77	µg/L	EPA 525.2	0.1	5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Bis(2-ethylhexyl)phthalate	n/a	=	3.8	µg/L	EPA 525.2	1.1	3	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Dimethyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270Cm	3.5	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/2/2015 2:38:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	DACP (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Dichlorvos	n/a	=	0.017	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Fensulfothion	n/a	=	0.023	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/18/2015 12:01:00 PM	Glyphosate	n/a	=	19	µg/L	EPA 547	1.8	5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Malathion	n/a	=	0.38	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	Pentachlorophenol	n/a	=	0.45	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/6/2015 1:44:00 PM	Pentachlorophenol	n/a	DNQ	5.8	µg/L	EPA 625	1.9	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/3/2015 4:32:00 AM	Pentachlorophenol	n/a	DNQ	7.6	µg/L	EPA 8270Cm	1.5	10	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/29/2015 10:02:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Stirophos (Tetrachlorvinphos)	n/a	DNQ	0.005	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/5/2015 1:12:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	6/13/2015 7:46:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-SPA	2014/15-5	Wet	5/15/2015 8:05:00 AM	5/30/2015 10:18:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/7/2014 2:28:00 PM	Chloride	n/a	=	180	mg/L	EPA 300.0	0.25	1.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/7/2014 2:28:00 PM	Fluoride	n/a	=	0.33	mg/L	EPA 300.0	0.05	0.25	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/7/2014 11:08:00 PM	Perchlorate	n/a	<	4.8	µg/L	EPA 314.0	4.8	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/1/2014 11:15:00 PM	E. Coli	n/a	=	3100	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/3/2014 9:00:00 AM	Fecal Coliform	n/a	=	4700	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/1/2014 11:15:00 PM	Total Coliform	n/a	=	26900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 2:24:00 PM	Calcium	Total	=	88.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 2:24:00 PM	Magnesium	Total	=	69.1	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/3/2014 3:13:00 PM	Alkalinity as CaCO3	n/a	=	220	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	18	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	120	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/7/2014 1:32:00 PM	Cyanide	Total	=	0.012	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 2:24:00 PM	Hardness as CaCO3	Total	=	505	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/2/2014 4:09:00 PM	MBAS	n/a	=	0.064	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/1/2014 2:13:00 AM	pH	n/a	=	7.66	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/10/2014 1:37:00 PM	Phenolics	n/a	=	0.083	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/7/2014 1:08:00 PM	Specific Conductance	n/a	=	1400	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/1/2014 2:13:00 AM	Temperature	n/a	=	15.7	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	940	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	37	mg/L	SM 5310 C	0.18	6	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	100	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	80	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	=	28	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 6:35:00 PM	Diesel Range Organics	n/a	=	1.2	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/7/2014 10:26:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/5/2014 5:53:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 6:35:00 PM	Oil Range Organics	n/a	=	1.1	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 1:00:00 PM	Aluminum	Dissolved	=	5.3	µg/L	EPA 200.8	2.1	5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 1:32:00 PM	Aluminum	Total	=	2500	µg/L	EPA 200.8	2.1	5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:52:00 PM	Antimony	Dissolved	=	0.79	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:57:00 PM	Antimony	Total	=	1.1	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:52:00 PM	Arsenic	Dissolved	=	3.3	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:57:00 PM	Arsenic	Total	=	4.1	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:57:00 PM	Barium	Total	=	45	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:52:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:57:00 PM	Beryllium	Total	DNQ	0.084	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:52:00 PM	Cadmium	Dissolved	DNQ	0.065	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:57:00 PM	Cadmium	Total	=	0.33	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:52:00 PM	Chromium	Dissolved	=	0.41	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:57:00 PM	Chromium	Total	=	10	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/5/2014 4:00:00 PM	Chromium VI	n/a	DNQ	0.036	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 1:00:00 PM	Copper	Dissolved	=	3.6	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 1:32:00 PM	Copper	Total	=	19	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 1:59:00 PM	Iron	Dissolved	=	87	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 2:24:00 PM	Iron	Total	=	4600	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:52:00 PM	Lead	Dissolved	DNQ	0.09	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:57:00 PM	Lead	Total	=	2.6	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 5:43:00 PM	Mercury	Dissolved	DNQ	5	ng/L	EPA 245.1	3.9	50	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 5:43:00 PM	Mercury	Total	DNQ	15	ng/L	EPA 245.1	3.9	50	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:52:00 PM	Nickel	Dissolved	=	6.3	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:57:00 PM	Nickel	Total	=	14	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:52:00 PM	Selenium	Dissolved	=	1.9	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:57:00 PM	Selenium	Total	=	2.3	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:52:00 PM	Silver	Dissolved	DNQ	0.026	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:57:00 PM	Silver	Total	DNQ	0.075	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:52:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:57:00 PM	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:52:00 PM	Zinc	Dissolved	=	12	µg/L	EPA 200.8	0.5	5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/12/2014 6:57:00 PM	Zinc	Total	=	55	µg/L	EPA 200.8	0.5	5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	0.94	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/3/2014 5:08:00 PM	Nitrate + Nitrite as N	n/a	=	2	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 4:10:00 PM	Phosphorus as P	Dissolved	=	0.42	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/7/2014 8:36:00 PM	Phosphorus as P	Total	=	0.59	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/17/2014 2:10:00 PM	TKN	n/a	=	4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/5/2014 7:51:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	3-/4-Methylphenol	n/a	DNQ	0.94	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Diethyl phthalate	n/a	DNQ	0.31	µg/L	EPA 625	0.15	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Dimethyl phthalate	n/a	=	5.3	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/5/2014 7:51:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/8/2014 2:02:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/3/2014 7:00:00 PM	Glyphosate	n/a	=	28	µg/L	EPA 547	3.6	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Malathion	n/a	=	0.014	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 2:15:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/11/2014 4:49:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/13/2014 10:13:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 3:59:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/20/2014 5:38:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2014/15-1	Wet	11/1/2014 2:13:00 AM	11/6/2014 7:54:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/13/2014 2:59:00 PM	Chloride	n/a	=	36	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/13/2014 2:59:00 PM	Fluoride	n/a	DNQ	0.099	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/16/2014 7:45:00 PM	Perchlorate	n/a	DNQ	1.7	µg/L	EPA 314.0	0.95	2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/14/2014 10:26:00 AM	Fecal Coliform	n/a	=	240000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	290900	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 7:23:00 PM	Calcium	Total	=	49.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 7:23:00 PM	Magnesium	Total	=	34.5	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/18/2014 5:27:00 PM	Alkalinity as CaCO3	n/a	=	94	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/18/2014 11:10:00 AM	BOD	n/a	=	9.7	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/19/2014 6:28:00 PM	COD	n/a	=	85	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/12/2014 3:50:00 AM	Conductivity	n/a	=	129.2	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 3:54:00 PM	Cyanide	Total	=	0.01	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/12/2014 3:50:00 AM	DO	n/a	=	11.3	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/12/2014 3:50:00 AM	DO	n/a	=	106.4	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 7:23:00 PM	Hardness as CaCO3	Total	=	266	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/12/2014 9:34:00 PM	MBAS	n/a	<	0.019	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/12/2014 3:50:00 AM	pH	n/a	=	8.61	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/29/2014 11:13:00 AM	Phenolics	n/a	=	0.016	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/12/2014 3:50:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/12/2014 3:50:00 AM	Specific Conductance	n/a	=	168.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 12:35:00 PM	Specific Conductance	n/a	=	400	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/12/2014 3:50:00 AM	Temperature	n/a	=	12.8	°C	Field Meter	-88	0.1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/18/2014 10:20:00 AM	Total Dissolved Solids	n/a	=	270	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 7:50:00 AM	Total Organic Carbon	n/a	=	8.5	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/15/2014 6:13:00 PM	Total Suspended Solids	n/a	=	830	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/13/2014 11:25:00 AM	Turbidity	n/a	=	320	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/16/2014 6:13:00 PM	Volatile Suspended Solids	n/a	=	96	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/26/2014 4:37:00 PM	Diesel Range Organics	n/a	DNQ	0.084	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/17/2014 8:59:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/26/2014 4:37:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:22:00 AM	Aluminum	Dissolved	=	18	µg/L	EPA 200.8	2.1	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/7/2015 4:27:00 PM	Aluminum	Total	=	25000	µg/L	EPA 200.8	8.4	20	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:22:00 AM	Antimony	Dissolved	DNQ	0.44	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:53:00 AM	Antimony	Total	DNQ	0.3	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:22:00 AM	Arsenic	Dissolved	=	2.6	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:53:00 AM	Arsenic	Total	=	6.8	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:53:00 AM	Barium	Total	=	130	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/7/2015 3:39:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/7/2015 3:58:00 PM	Beryllium	Total	=	0.72	µg/L	EPA 200.8	0.03	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:22:00 AM	Cadmium	Dissolved	DNQ	0.03	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:53:00 AM	Cadmium	Total	=	1.6	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:22:00 AM	Chromium	Dissolved	=	0.23	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:53:00 AM	Chromium	Total	=	68	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/26/2014 2:27:00 PM	Chromium VI	n/a	=	0.12	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/7/2015 3:39:00 PM	Copper	Dissolved	=	1.7	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/7/2015 3:58:00 PM	Copper	Total	=	42	µg/L	EPA 200.8	0.072	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 7:20:00 PM	Iron	Dissolved	=	54	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 7:23:00 PM	Iron	Total	=	41000	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:22:00 AM	Lead	Dissolved	DNQ	0.06	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:53:00 AM	Lead	Total	=	21	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 4:10:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 4:10:00 PM	Mercury	Total	=	61	ng/L	EPA 245.1	3.9	50	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:22:00 AM	Nickel	Dissolved	=	2	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:53:00 AM	Nickel	Total	=	64	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:22:00 AM	Selenium	Dissolved	=	1	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:53:00 AM	Selenium	Total	=	2.3	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:22:00 AM	Silver	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:53:00 AM	Silver	Total	DNQ	0.11	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:22:00 AM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:53:00 AM	Thallium	Total	=	0.31	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:22:00 AM	Zinc	Dissolved	DNQ	3.4	µg/L	EPA 200.8	0.5	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/6/2015 2:53:00 AM	Zinc	Total	=	170	µg/L	EPA 200.8	0.5	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/29/2014 7:29:00 PM	Ammonia as N	n/a	<	0.048	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/17/2014 4:44:00 PM	Nitrate + Nitrite as N	n/a	=	0.62	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/2/2015 4:39:00 PM	Phosphorus as P	Dissolved	=	0.22	mg/L	EPA 365.1	0.0028	0.02	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/30/2014 6:54:00 PM	Phosphorus as P	Total	=	1.2	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/30/2014 7:02:00 PM	TKN	n/a	=	4.1	mg/L	EPA 351.2	0.05	0.1	WKL	LB-MSR
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/19/2014 2:41:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Benzenzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Dimethyl phthalate	n/a	=	2.8	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/19/2014 2:41:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/23/2014 9:27:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/15/2014 5:59:00 PM	Glyphosate	n/a	DNQ	2.1	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 11:36:00 AM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/22/2014 11:11:00 PM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	Pentachlorophenol	n/a	DNQ	0.054	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	1/3/2015 5:24:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/27/2014 1:51:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/20/2014 7:23:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2014/15-3	Wet	12/12/2014 3:50:00 AM	12/24/2014 5:26:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/20/2015 1:37:00 PM	Chloride	n/a	=	140	mg/L	EPA 300.0	0.2	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/20/2015 1:37:00 PM	Fluoride	n/a	=	0.22	mg/L	EPA 300.0	0.04	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/22/2015 1:59:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/26/2015 12:49:00 PM	Calcium	Total	=	94.6	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/26/2015 12:49:00 PM	Magnesium	Total	=	66.3	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/22/2015 11:03:00 AM	Alkalinity as CaCO3	n/a	=	200	mg/L	SM 2320 B	0.56	2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/20/2015 6:20:00 PM	BOD	n/a	=	14	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/20/2015 4:34:00 PM	COD	n/a	=	150	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/26/2015 12:49:00 PM	Hardness as CaCO3	Total	=	509	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/15/2015 8:59:00 PM	MBAS	n/a	=	0.07	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:22:00 PM	Phenolics	n/a	=	0.033	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/26/2015 11:19:00 AM	Specific Conductance	n/a	=	1200	µmhos/cm	SM 2510 B	0.23	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/21/2015 4:55:00 PM	Total Dissolved Solids	n/a	=	790	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/1/2015 3:51:00 PM	Total Organic Carbon	n/a	=	21	mg/L	SM 5310 C	0.09	3	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/20/2015 1:31:00 PM	Total Suspended Solids	n/a	=	500	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/16/2015 2:58:00 PM	Turbidity	n/a	=	30	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/20/2015 1:31:00 PM	Volatile Suspended Solids	n/a	=	110	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 3:59:00 PM	Aluminum	Dissolved	=	5.1	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Aluminum	Total	=	9900	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 3:33:00 PM	Antimony	Dissolved	=	0.67	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Antimony	Total	=	0.95	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Arsenic	Dissolved	=	2.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Arsenic	Total	=	5.4	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Barium	Total	=	91	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 3:33:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Beryllium	Total	=	0.33	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 3:33:00 PM	Cadmium	Dissolved	DNQ	0.051	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Cadmium	Total	=	0.87	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 3:33:00 PM	Chromium	Dissolved	=	0.34	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Chromium	Total	=	26	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/20/2015 12:47:00 PM	Chromium VI	n/a	=	0.21	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 3:33:00 PM	Copper	Dissolved	=	3.5	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Copper	Total	=	31	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/26/2015 12:18:00 PM	Iron	Dissolved	=	22	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/26/2015 12:49:00 PM	Iron	Total	=	15000	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 3:33:00 PM	Lead	Dissolved	DNQ	0.034	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Lead	Total	=	8.7	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/21/2015 6:05:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/21/2015 6:05:00 PM	Mercury	Total	DNQ	25	ng/L	EPA 245.1	3.9	50	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 3:33:00 PM	Nickel	Dissolved	=	3.5	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Nickel	Total	=	26	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 3:33:00 PM	Selenium	Dissolved	=	1.5	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Selenium	Total	=	3.1	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 3:33:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Silver	Total	DNQ	0.099	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 3:33:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Thallium	Total	DNQ	0.14	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 3:33:00 PM	Zinc	Dissolved	=	7.3	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/27/2015 4:03:00 PM	Zinc	Total	=	120	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/18/2015 4:34:00 PM	Ammonia as N	n/a	=	0.19	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/18/2015 12:31:00 PM	Nitrate + Nitrite as N	n/a	=	0.84	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/28/2015 12:33:00 PM	Phosphorus as P	Dissolved	=	0.12	mg/L	EPA 365.1	0.0014	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/28/2015 11:38:00 AM	Phosphorus as P	Total	=	0.92	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/22/2015 4:20:00 PM	TKN	n/a	=	4.3	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	1,2,4-Trichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	1,2-Dichlorobenzene	n/a	<	5.7	µg/L	EPA 625	5.7	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	1,2-Diphenylhydrazine	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	1,3-Dichlorobenzene	n/a	<	5.3	µg/L	EPA 625	5.3	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	1,4-Dichlorobenzene	n/a	<	5.5	µg/L	EPA 625	5.5	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	1-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	2,4,5-Trichlorophenol	n/a	<	2.9	µg/L	EPA 8270Cm	2.9	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	2,4,6-Trichlorophenol	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	2,4,6-Trichlorophenol	n/a	<	3	µg/L	EPA 8270Cm	3	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	2,4-Dichlorophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	2,4-Dichlorophenol	n/a	<	5.1	µg/L	EPA 8270Cm	5.1	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	2,4-Dimethylphenol	n/a	<	3	µg/L	EPA 625	3	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	2,4-Dimethylphenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	2,4-Dinitrophenol	n/a	<	16	µg/L	EPA 625	16	100	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	2,4-Dinitrophenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	2,4-Dinitrotoluene	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	2,6-Dinitrotoluene	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	2-Chloronaphthalene	n/a	<	4.5	µg/L	EPA 625	4.5	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	2-Chlorophenol	n/a	<	2.8	µg/L	EPA 625	2.8	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	2-Chlorophenol	n/a	<	6.5	µg/L	EPA 8270Cm	6.5	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	2-Methylnaphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	2-Methylphenol	n/a	<	3.4	µg/L	EPA 8270Cm	3.4	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	2-Nitrophenol	n/a	<	7.1	µg/L	EPA 8270Cm	7.1	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	2-Nitrophenol	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	3,3'-Dichlorobenzidine	n/a	<	12	µg/L	EPA 625	12	50	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	3-/4-Methylphenol	n/a	<	3	µg/L	EPA 8270Cm	3	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.4	µg/L	EPA 8270Cm	1.4	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	17	µg/L	EPA 625	17	50	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	4-Bromophenyl phenyl ether	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	4-Chloro-3-methylphenol	n/a	<	3.7	µg/L	EPA 8270Cm	3.7	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	4-Chloro-3-methylphenol	n/a	<	2.3	µg/L	EPA 625	2.3	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	4-Chlorophenyl phenyl ether	n/a	<	4.1	µg/L	EPA 625	4.1	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	4-Nitrophenol	n/a	<	4.5	µg/L	EPA 625	4.5	50	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	4-Nitrophenol	n/a	<	10	µg/L	EPA 8270Cm	10	20	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Acenaphthene	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Acenaphthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Acenaphthylene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Acenaphthylene	n/a	<	4	µg/L	EPA 625	4	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Anthracene	n/a	<	3.4	µg/L	EPA 625	3.4	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Benz(a)anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Benz(a)anthracene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Benzenidine	n/a	<	37	µg/L	EPA 625	37	100	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Benzo(a)pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Benzo(a)pyrene	n/a	<	1.3	µg/L	EPA 625	1.3	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Benzo(b)fluoranthene	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Benzo(b)fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 625	1	20	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Benzo(g,h,i)perylene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Benzo(k)fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Benzo(k)fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Bis(2-chloroethoxy)methane	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Bis(2-chloroethyl)ether	n/a	<	2.7	µg/L	EPA 625	2.7	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Bis(2-chloroisopropyl)ether	n/a	<	3.8	µg/L	EPA 625	3.8	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	23	µg/L	EPA 625	23	50	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Butyl benzyl phthalate	n/a	<	1.8	µg/L	EPA 625	1.8	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Chrysene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Chrysene	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Dibenz(a,h)anthracene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Dibenz(a,h)anthracene	n/a	<	0.8	µg/L	EPA 625	0.8	20	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Diethyl phthalate	n/a	<	1.5	µg/L	EPA 625	1.5	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Dimethyl phthalate	n/a	DNQ	5.9	µg/L	EPA 625	1.8	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Di-n-butylphthalate	n/a	<	2.4	µg/L	EPA 625	2.4	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Di-n-octylphthalate	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Fluoranthene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Fluoranthene	n/a	<	2.2	µg/L	EPA 625	2.2	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Fluorene	n/a	<	3.5	µg/L	EPA 625	3.5	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Fluorene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Hexachlorobenzene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Hexachlorobutadiene	n/a	<	4.7	µg/L	EPA 625	4.7	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Hexachlorocyclopentadiene	n/a	<	15	µg/L	EPA 625	15	50	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Hexachloroethane	n/a	<	5.2	µg/L	EPA 625	5.2	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	1.2	µg/L	EPA 625	1.2	20	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Isophorone	n/a	<	2.1	µg/L	EPA 625	2.1	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Naphthalene	n/a	<	4.9	µg/L	EPA 625	4.9	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Naphthalene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Nitrobenzene	n/a	<	3.6	µg/L	EPA 625	3.6	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	N-Nitrosodimethylamine	n/a	<	1.4	µg/L	EPA 625	1.4	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	N-Nitrosodi-N-propylamine	n/a	<	2.6	µg/L	EPA 625	2.6	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	N-Nitrosodiphenylamine	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Phenanthrene	n/a	<	3.2	µg/L	EPA 625	3.2	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Phenanthrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Phenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	Phenol	n/a	<	3.5	µg/L	EPA 8270Cm	3.5	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/2/2015 2:04:00 AM	Pyrene	n/a	<	1	µg/L	EPA 8270Cm	1	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Pyrene	n/a	<	2.5	µg/L	EPA 625	2.5	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	2,4-D	n/a	DNQ	0.18	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	2,4-DB	n/a	DNQ	1.1	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	4,4'-DDE	n/a	<	0.012	µg/L	EPA 608	0.012	0.25	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 9:05:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	DCCA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 9:41:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Dichlorvos	n/a	DNQ	0.0055	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/18/2015 12:33:00 PM	Glyphosate	n/a	DNQ	4.6	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Malathion	n/a	=	0.045	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 4:03:00 AM	Pentachlorophenol	n/a	<	1.5	µg/L	EPA 8270Cm	1.5	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/6/2015 3:12:00 PM	Pentachlorophenol	n/a	<	1.9	µg/L	EPA 625	1.9	10	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	5/29/2015 11:44:00 PM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/5/2015 5:48:00 AM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/13/2015 9:05:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2014/15-5	Wet	5/15/2015 9:41:00 AM	6/3/2015 12:53:00 AM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 4:01:00 PM	Chloride	n/a	=	160	mg/L	EPA 300.0	0.25	1.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 4:01:00 PM	Fluoride	n/a	=	0.57	mg/L	EPA 300.0	0.05	0.25	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/9/2015 1:12:00 PM	Perchlorate	n/a	DNQ	1.8	µg/L	EPA 314.0	0.95	2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/8/2015 9:00:00 AM	E. Coli	n/a	<	10	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/10/2015 12:00:00 PM	Fecal Coliform	n/a	=	1100	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/8/2015 9:00:00 AM	Total Coliform	n/a	=	19863	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/13/2015 4:57:00 PM	Calcium	Total	=	49.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/13/2015 4:57:00 PM	Magnesium	Total	=	19.7	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/8/2015 2:35:00 PM	Alkalinity as CaCO3	n/a	=	120	mg/L	SM 2320 B	0.56	10	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/13/2015 2:40:00 PM	BOD	n/a	<	2	mg/L	SM 5210 B	2	2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/10/2015 11:02:00 AM	COD	n/a	=	14	mg/L	EPA 410.4	0.73	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/7/2015 10:20:00 AM	Conductivity	n/a	=	1665	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/9/2015 4:39:00 PM	Cyanide	Total	=	0.0034	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/7/2015 10:20:00 AM	DO	n/a	=	60.9	%	Field Meter	-88	0.1	Field Crew	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/7/2015 10:20:00 AM	DO	n/a	=	5.01	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/13/2015 4:57:00 PM	Hardness as CaCO3	Total	=	206	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/8/2015 7:04:00 PM	MBAS	n/a	=	0.067	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/7/2015 10:20:00 AM	pH	n/a	=	8.25	pH Units	Field Meter	-88	0.01	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/13/2015 10:33:00 AM	Phenolics	n/a	<	0.0042	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/7/2015 10:20:00 AM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/7/2015 10:20:00 AM	Specific Conductance	n/a	=	1808	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:04:00 AM	Specific Conductance	n/a	=	1200	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/7/2015 10:20:00 AM	Temperature	n/a	=	20.8	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/8/2015 3:10:00 PM	Total Dissolved Solids	n/a	=	670	mg/L	SM 2540 C	4	10	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/8/2015 8:55:00 AM	Total Organic Carbon	n/a	=	6.3	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/13/2015 12:11:00 PM	Total Suspended Solids	n/a	<	5	mg/L	SM 2540 D	-88	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/8/2015 5:19:00 PM	Turbidity	n/a	=	0.39	NTU	EPA 180.1	0.024	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/13/2015 12:11:00 PM	Volatile Suspended Solids	n/a	<	3.1	mg/L	EPA 160.4	3.1	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 1:28:00 PM	Diesel Range Organics	n/a	=	0.11	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/13/2015 7:16:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/10/2015 4:43:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 1:28:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Aluminum	Dissolved	DNQ	2.5	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Aluminum	Total	=	16	µg/L	EPA 200.8	1.3	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Antimony	Dissolved	DNQ	0.45	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Antimony	Total	DNQ	0.45	µg/L	EPA 200.8	0.045	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Arsenic	Dissolved	=	3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Arsenic	Total	=	3	µg/L	EPA 200.8	0.074	0.4	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Barium	Total	=	11	µg/L	EPA 200.8	0.071	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Beryllium	Dissolved	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Beryllium	Total	<	0.033	µg/L	EPA 200.8	0.033	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Cadmium	Dissolved	=	0.1	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Cadmium	Total	=	0.12	µg/L	EPA 200.8	0.041	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Chromium	Dissolved	=	0.23	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Chromium	Total	=	0.31	µg/L	EPA 200.8	0.035	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/8/2015 1:42:00 PM	Chromium VI	n/a	=	0.074	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Copper	Dissolved	=	1.9	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Copper	Total	=	2	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/13/2015 4:46:00 PM	Iron	Dissolved	=	51	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/13/2015 4:57:00 PM	Iron	Total	=	77	µg/L	EPA 200.7	1.1	10	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Lead	Dissolved	<	0.031	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Lead	Total	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/20/2015 3:49:00 PM	Mercury	Dissolved	DNQ	12	ng/L	EPA 245.1	3.9	50	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/20/2015 3:49:00 PM	Mercury	Total	DNQ	18	ng/L	EPA 245.1	3.9	50	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Nickel	Dissolved	=	1.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Nickel	Total	=	1.8	µg/L	EPA 200.8	0.045	0.8	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Selenium	Dissolved	=	0.54	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Selenium	Total	=	0.51	µg/L	EPA 200.8	0.14	0.4	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Silver	Dissolved	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Silver	Total	<	0.062	µg/L	EPA 200.8	0.062	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Thallium	Dissolved	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Thallium	Total	<	0.014	µg/L	EPA 200.8	0.014	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 2:45:00 PM	Zinc	Dissolved	=	22	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/12/2015 3:48:00 PM	Zinc	Total	=	21	µg/L	EPA 200.8	0.94	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/8/2015 11:59:00 AM	Ammonia as N	n/a	=	1.2	mg/L	EPA 350.1	0.096	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/8/2015 3:11:00 PM	Nitrate + Nitrite as N	n/a	=	7.8	mg/L	EPA 353.2	0.01	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/10/2015 11:46:00 AM	Phosphorus as P	Dissolved	=	2.3	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/10/2015 11:25:00 AM	Phosphorus as P	Total	=	2.3	mg/L	EPA 365.1	0.035	0.25	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/20/2015 4:01:00 PM	TKN	n/a	=	1.8	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	2,4,6-Trichlorophenol	n/a	DNQ	0.39	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/8/2015 7:19:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Benzenidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Butyl benzyl phthalate	n/a	DNQ	0.32	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Diethyl phthalate	n/a	DNQ	0.29	µg/L	EPA 625	0.15	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Dimethyl phthalate	n/a	=	11	µg/L	EPA 625	0.18	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/8/2015 7:19:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	Phenol	n/a	DNQ	0.68	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:14:00 AM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 7:09:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	PCB Aroclor 1016	n/a	<	0.05	µg/L	EPA 608	0.05	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	PCB Aroclor 1221	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	PCB Aroclor 1232	n/a	<	0.15	µg/L	EPA 608	0.15	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	PCB Aroclor 1242	n/a	<	0.07	µg/L	EPA 608	0.07	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	PCB Aroclor 1248	n/a	<	0.06	µg/L	EPA 608	0.06	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	PCB Aroclor 1254	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	PCB Aroclor 1260	n/a	<	0.04	µg/L	EPA 608	0.04	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	4,4'-DDD	n/a	<	0.003	µg/L	EPA 608	0.003	0.05	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	4,4'-DDE	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.05	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	4,4'-DDT	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	Aldrin	n/a	<	0.0015	µg/L	EPA 608	0.0015	0.005	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	alpha-BHC	n/a	<	0.0018	µg/L	EPA 608	0.0018	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	alpha-Chlordane	n/a	<	0.0041	µg/L	EPA 608	0.0041	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	beta-BHC	n/a	<	0.0031	µg/L	EPA 608	0.0031	0.005	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	Chlordane (technical)	n/a	<	0.08	µg/L	EPA 608	0.08	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Chlorpyrifos	n/a	<	0.0069	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	delta-BHC	n/a	<	0.0025	µg/L	EPA 608	0.0025	0.005	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	Dieldrin	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Disulfoton	n/a	DNQ	0.06	µg/L	EPA 525.2	0.031	0.1	WKL	LB-LCSR

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	Endosulfan I	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.02	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	Endosulfan II	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	Endosulfan sulfate	n/a	<	0.008	µg/L	EPA 608	0.008	0.05	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	Endrin	n/a	<	0.0028	µg/L	EPA 608	0.0028	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	Endrin aldehyde	n/a	<	0.003	µg/L	EPA 608	0.003	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Fensulfothion	n/a	DNQ	0.0065	µg/L	EPA 525.2m	0.0029	0.01	WKL	UL-MB
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	gamma-BHC (Lindane)	n/a	<	0.0021	µg/L	EPA 608	0.0021	0.02	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	gamma-Chlordane	n/a	<	0.0044	µg/L	EPA 608	0.0044	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/13/2015 5:13:00 PM	Glyphosate	n/a	DNQ	2.2	µg/L	EPA 547	1.8	5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	Heptachlor	n/a	<	0.0017	µg/L	EPA 608	0.0017	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	Heptachlor epoxide	n/a	<	0.0019	µg/L	EPA 608	0.0019	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Malathion	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	Methoxychlor	n/a	<	0.0054	µg/L	EPA 608	0.0054	0.02	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/15/2015 5:49:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 9:09:00 AM	Pentachlorophenol	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/16/2015 9:44:00 PM	Pentachlorophenol	n/a	DNQ	0.61	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	Pentachlorophenol	n/a	<	0.04	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/11/2015 10:03:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/18/2015 2:38:00 AM	Toxaphene	n/a	<	0.12	µg/L	EPA 608	0.12	0.5	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/17/2015 7:21:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-THO	2014/15-6	Dry	7/7/2015 10:20:00 AM	7/14/2015 8:23:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/20/2015 9:33:59 AM	E. Coli	n/a	=	677	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/20/2015 9:33:59 AM	Total Coliform	n/a	=	1650	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/26/2015 3:59:00 PM	Calcium	Total	=	98.4	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/26/2015 3:59:00 PM	Magnesium	Total	=	101	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/19/2015 1:45:00 PM	Conductivity	n/a	=	1891	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/19/2015 1:45:00 PM	Discharge	n/a	=	1.25	cfs	Field Estimate	-88	-88	Field Crew	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/19/2015 1:45:00 PM	DO	n/a	=	147.9	%	Field Meter	-88	0.1	Field Crew	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/19/2015 1:45:00 PM	DO	n/a	=	12.05	mg/L	Field Meter	-88	0.3	Field Crew	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/26/2015 3:59:00 PM	Hardness as CaCO3	Total	=	660	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/19/2015 1:45:00 PM	pH	n/a	=	8.35	pH Units	Field Meter	-88	0.01	Field Crew	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/19/2015 1:45:00 PM	Salinity	n/a	=	900	mg/L	Field Meter	-88	100	Field Crew	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/19/2015 1:45:00 PM	Specific Conductance	n/a	=	1868	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/19/2015 1:45:00 PM	Temperature	n/a	=	25.6	°C	Field Meter	-88	0.1	Field Crew	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/26/2015 11:01:00 AM	Total Organic Carbon	n/a	=	3.6	mg/L	SM 5310 C	0.009	0.3	WKL	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	8/19/2015 1:45:00 PM	Turbidity	n/a	=	3.68	NTU	Field Meter	-88	0.01	Field Crew	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	9/2/2015 2:02:00 PM	Copper	Dissolved	=	0.99	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	9/2/2015 2:02:00 PM	Lead	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-THO	2015-DRY	Dry	8/19/2015 1:45:00 PM	9/2/2015 2:02:00 PM	Zinc	Dissolved	DNQ	1.6	µg/L	EPA 200.8	0.94	5	WKL	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	11/1/2014 11:15:00 PM	E. Coli	n/a	=	3873	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	11/4/2014 9:00:00 AM	Fecal Coliform	n/a	=	7900	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	11/1/2014 11:15:00 AM	Total Coliform	n/a	=	27200	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	10/31/2014 10:45:00 PM	Conductivity	n/a	=	163.8	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	11/6/2014 4:28:00 PM	Cyanide	Total	=	0.0024	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	10/31/2014 10:45:00 PM	DO	n/a	=	8.36	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	10/31/2014 10:45:00 PM	DO	n/a	=	85.8	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	10/31/2014 10:45:00 PM	pH	n/a	=	6.79	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	10/31/2014 10:45:00 PM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	10/31/2014 10:45:00 PM	Specific Conductance	n/a	=	194.7	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	10/31/2014 10:45:00 PM	Temperature	n/a	=	16.6	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	11/7/2014 6:54:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	11/11/2014 4:44:00 PM	Oil and Grease	n/a	DNQ	2.7	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	11/5/2014 2:49:00 AM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2014/15-1	Wet	10/31/2014 10:45:00 PM	11/5/2014 2:49:00 AM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 10:38:00 PM	Chloride	n/a	=	26	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 10:38:00 PM	Fluoride	n/a	=	0.38	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:08:00 PM	Perchlorate	n/a	=	10	µg/L	EPA 314.0	4.8	10	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 11:27:00 AM	Calcium	Total	=	30.8	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 11:27:00 AM	Magnesium	Total	=	8.14	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 1:45:00 PM	Alkalinity as CaCO3	n/a	=	44	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 1:25:00 PM	BOD	n/a	=	36	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/4/2014 3:02:00 PM	COD	n/a	=	260	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 11:27:00 AM	Hardness as CaCO3	Total	=	110	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/2/2014 4:09:00 PM	MBAS	n/a	=	0.15	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 3:41:00 PM	Phenolics	n/a	=	0.11	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 1:08:00 PM	Specific Conductance	n/a	=	320	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/5/2014 7:28:00 PM	Total Dissolved Solids	n/a	=	230	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/5/2014 7:15:00 AM	Total Organic Carbon	n/a	=	56	mg/L	SM 5310 C	0.36	12	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/5/2014 12:00:00 PM	Total Suspended Solids	n/a	=	210	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/2/2014 6:29:00 PM	Turbidity	n/a	=	66	NTU	EPA 180.1	0.024	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/5/2014 12:00:00 PM	Volatile Suspended Solids	n/a	=	57	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 4:03:00 PM	Diesel Range Organics	n/a	=	1.5	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 4:03:00 PM	Oil Range Organics	n/a	=	1.8	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Aluminum	Dissolved	=	59	µg/L	EPA 200.8	2.1	5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Aluminum	Total	=	4800	µg/L	EPA 200.8	2.1	5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Antimony	Dissolved	=	1.6	µg/L	EPA 200.8	0.034	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Antimony	Total	=	3.1	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Arsenic	Dissolved	=	1.3	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Arsenic	Total	=	3.4	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Barium	Total	=	94	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Beryllium	Total	=	0.18	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Cadmium	Dissolved	=	0.16	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Cadmium	Total	=	0.78	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Chromium	Dissolved	=	1.4	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Chromium	Total	=	11	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/4/2014 4:46:00 PM	Chromium VI	n/a	=	0.47	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Copper	Dissolved	=	10	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Copper	Total	=	86	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 11:13:00 AM	Iron	Dissolved	=	190	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 11:27:00 AM	Iron	Total	=	7500	µg/L	EPA 200.7	1.1	10	WKL	LB-MSR
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Lead	Dissolved	=	1.3	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Lead	Total	=	18	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 6:38:00 PM	Mercury	Dissolved	DNQ	11	ng/L	EPA 245.1	3.9	50	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 6:38:00 PM	Mercury	Total	DNQ	31	ng/L	EPA 245.1	3.9	50	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Nickel	Dissolved	=	9.3	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Nickel	Total	=	19	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Selenium	Dissolved	=	0.86	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Selenium	Total	=	1.3	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Silver	Total	DNQ	0.087	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Thallium	Total	DNQ	0.057	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:23:00 PM	Zinc	Dissolved	=	170	µg/L	EPA 200.8	0.5	5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/10/2014 1:10:00 PM	Zinc	Total	=	450	µg/L	EPA 200.8	0.5	5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/4/2014 1:57:00 PM	Ammonia as N	n/a	=	0.96	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/3/2014 4:57:00 PM	Nitrate + Nitrite as N	n/a	=	1.9	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/14/2014 5:10:00 PM	Phosphorus as P	Dissolved	=	0.86	mg/L	EPA 365.1	0.007	0.05	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 8:11:00 PM	Phosphorus as P	Total	=	1.1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/5/2014 5:27:00 PM	TKN	n/a	=	4.6	mg/L	EPA 351.2	0.2	0.4	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Diethyl phthalate	n/a	DNQ	0.3	µg/L	EPA 625	0.15	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Di-n-butylphthalate	n/a	DNQ	0.29	µg/L	EPA 625	0.24	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	EST-LCSRPD
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/7/2014 11:17:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	PCB Aroclor 1016	n/a	<	1	µg/L	EPA 608	1	10	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	PCB Aroclor 1221	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	PCB Aroclor 1232	n/a	<	3	µg/L	EPA 608	3	10	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	PCB Aroclor 1242	n/a	<	1.4	µg/L	EPA 608	1.4	10	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	PCB Aroclor 1248	n/a	<	1.2	µg/L	EPA 608	1.2	10	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	PCB Aroclor 1254	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	PCB Aroclor 1260	n/a	<	0.8	µg/L	EPA 608	0.8	10	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	4,4'-DDD	n/a	<	0.06	µg/L	EPA 608	0.06	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	4,4'-DDE	n/a	<	0.05	µg/L	EPA 608	0.05	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	4,4'-DDT	n/a	<	0.062	µg/L	EPA 608	0.062	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	Aldrin	n/a	<	0.03	µg/L	EPA 608	0.03	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	alpha-BHC	n/a	<	0.036	µg/L	EPA 608	0.036	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	alpha-Chlordane	n/a	<	0.082	µg/L	EPA 608	0.082	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	beta-BHC	n/a	<	0.062	µg/L	EPA 608	0.062	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	Chlordane (technical)	n/a	<	1.6	µg/L	EPA 608	1.6	2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Chlorpropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Chlorpyrifos	n/a	DNQ	0.009	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	DCPA (Daacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	delta-BHC	n/a	<	0.05	µg/L	EPA 608	0.05	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	Dicamba	n/a	DNQ	0.15	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	Dieldrin	n/a	<	0.042	µg/L	EPA 608	0.042	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	Endosulfan I	n/a	<	0.034	µg/L	EPA 608	0.034	0.4	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	Endosulfan II	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	Endosulfan sulfate	n/a	<	0.16	µg/L	EPA 608	0.16	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	Endrin	n/a	<	0.056	µg/L	EPA 608	0.056	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	Endrin aldehyde	n/a	<	0.06	µg/L	EPA 608	0.06	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Fensulfothion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	gamma-BHC (Lindane)	n/a	<	0.042	µg/L	EPA 608	0.042	0.4	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	gamma-Chlordane	n/a	<	0.088	µg/L	EPA 608	0.088	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/5/2014 5:18:00 PM	Glyphosate	n/a	DNQ	19	µg/L	EPA 547	9	25	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	Heptachlor	n/a	<	0.034	µg/L	EPA 608	0.034	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	Heptachlor epoxide	n/a	<	0.038	µg/L	EPA 608	0.038	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Malathion	n/a	=	0.33	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	Methoxychlor	n/a	<	0.11	µg/L	EPA 608	0.11	0.4	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	Pentachlorophenol	n/a	=	0.21	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/11/2014 2:17:00 AM	Pentachlorophenol	n/a	DNQ	0.82	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/12/2014 11:49:00 PM	Pentachlorophenol	n/a	<	0.15	µg/L	EPA 8270Cm	0.15	1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/13/2014 5:35:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 1:26:00 AM	Toxaphene	n/a	<	2.4	µg/L	EPA 608	2.4	10	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/20/2014 4:25:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2014/15-1	Wet	11/1/2014 11:00:00 AM	11/6/2014 5:52:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/3/2014 8:00:00 AM	E. Coli	n/a	=	2046	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/5/2014 11:00:00 AM	Fecal Coliform	n/a	=	46000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/3/2014 8:00:00 AM	Total Coliform	n/a	=	23500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/2/2014 11:00:00 AM	Conductivity	n/a	=	86.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/12/2014 5:40:00 PM	Cyanide	Total	<	0.00048	mg/L	ASTM D7511	0.00048	0.002	WKL	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/2/2014 11:00:00 AM	DO	n/a	=	81.1	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/2/2014 11:00:00 AM	DO	n/a	=	8	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/2/2014 11:00:00 AM	pH	n/a	=	7.51	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/2/2014 11:00:00 AM	Salinity	n/a	=	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/2/2014 11:00:00 AM	Specific Conductance	n/a	=	106.5	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/2/2014 11:00:00 AM	Temperature	n/a	=	15.1	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/8/2014 10:54:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/6/2014 3:15:00 PM	Oil and Grease	n/a	DNQ	2.4	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/7/2014 11:09:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2014/15-2	Wet	12/2/2014 11:00:00 AM	12/7/2014 11:09:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 3:28:00 PM	Chloride	n/a	=	12	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 3:28:00 PM	Fluoride	n/a	=	0.16	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/5/2014 1:46:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:18:00 PM	Calcium	Total	=	19	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:18:00 PM	Magnesium	Total	=	5.03	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:18:00 PM	Hardness as CaCO3	Total	=	68	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/4/2014 6:47:00 PM	MBAS	n/a	=	0.16	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/10/2014 8:50:00 AM	Total Dissolved Solids	n/a	=	140	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 6:50:00 PM	Total Suspended Solids	n/a	=	100	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 1:10:00 PM	Diesel Range Organics	n/a	=	0.42	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 1:10:00 PM	Oil Range Organics	n/a	=	0.67	mg/L	EPA 8015B	0.33	0.5	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Aluminum	Dissolved	=	35	µg/L	EPA 200.8	2.1	5	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Aluminum	Total	=	1400	µg/L	EPA 200.8	2.1	5	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Antimony	Dissolved	=	0.82	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Antimony	Total	=	1.4	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Arsenic	Dissolved	=	1.1	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Arsenic	Total	=	1.7	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Barium	Total	=	33	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Beryllium	Total	DNQ	0.046	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Cadmium	Dissolved	DNQ	0.071	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Cadmium	Total	=	0.2	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Chromium	Dissolved	=	1.3	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Chromium	Total	=	3.9	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/5/2014 6:03:00 PM	Chromium VI	n/a	=	1	µg/L	EPA 218.6	0.0048	0.3	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Copper	Dissolved	=	12	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Copper	Total	=	22	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 2:53:00 PM	Iron	Dissolved	=	65	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:18:00 PM	Iron	Total	=	1900	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Lead	Dissolved	=	0.71	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Lead	Total	=	5.8	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 3:45:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 3:45:00 PM	Mercury	Total	DNQ	5	ng/L	EPA 245.1	3.9	50	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Nickel	Dissolved	=	2.5	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Nickel	Total	=	5.1	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Selenium	Dissolved	=	0.51	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Selenium	Total	=	0.68	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Silver	Dissolved	DNQ	0.028	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Silver	Total	DNQ	0.029	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Thallium	Total	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:32:00 PM	Zinc	Dissolved	=	49	µg/L	EPA 200.8	0.5	5	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/12/2014 3:49:00 PM	Zinc	Total	=	110	µg/L	EPA 200.8	0.5	5	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/17/2014 5:29:00 PM	Ammonia as N	n/a	=	0.23	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/16/2014 5:01:00 PM	Nitrate + Nitrite as N	n/a	=	1.3	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 3:57:00 PM	Phosphorus as P	Dissolved	=	0.43	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/18/2014 7:40:00 PM	Phosphorus as P	Total	=	0.43	mg/L	EPA 365.1	0.0056	0.04	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/16/2014 4:35:00 PM	TKN	n/a	=	1.2	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Bis(2-ethylhexyl)phthalate	n/a	DNQ	2.9	µg/L	EPA 525.2	1.1	3	WKL	-LCSRPD, HB-L
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Chloroprotham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Chlorpyrifos	n/a	=	0.042	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	DCCA (Dacthal)	n/a	=	0.19	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Dimethoate	n/a	<	0.0062	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Malathion	n/a	=	0.081	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	Pentachlorophenol	n/a	DNQ	0.16	µg/L	EPA 515.3	0.04	0.2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/6/2014 1:54:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	EST-LCSRPD
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/9/2014 2:38:00 PM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2014/15-2	Wet	12/3/2014 9:26:00 AM	12/15/2014 9:53:00 PM	Trithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/13/2014 6:30:00 AM	E. Coli	n/a	=	17329	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/14/2014 8:50:00 AM	Fecal Coliform	n/a	>	1600000	MPN/100 mL	SM 9221 E	2	2	VCHCA	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/13/2014 6:30:00 AM	Total Coliform	n/a	=	325500	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/12/2014 1:30:00 AM	Conductivity	n/a	=	1.6	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/24/2014 3:54:00 PM	Cyanide	Total	=	0.0038	mg/L	ASTM D7511	0.0005	0.002	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/12/2014 1:30:00 AM	DO	n/a	=	8.66	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/12/2014 1:30:00 AM	DO	n/a	=	87.6	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/12/2014 1:30:00 AM	pH	n/a	=	7.72	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/12/2014 1:30:00 AM	Salinity	n/a	<	100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/12/2014 1:30:00 AM	Specific Conductance	n/a	=	2.1	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/12/2014 1:30:00 AM	Temperature	n/a	=	13.5	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/17/2014 5:01:00 PM	Gasoline Range Organics	n/a	<	0.044	mg/L	EPA 8015B	0.044	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/26/2014 5:05:00 PM	Oil and Grease	n/a	<	1.3	mg/L	EPA 1664A	1.3	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/19/2014 12:09:00 PM	2-Chloroethyl vinyl ether	n/a	<	0.28	µg/L	EPA 624	0.28	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 1:30:00 AM	12/19/2014 12:09:00 PM	Methyl tert-butyl ether (MTBE)	n/a	<	0.25	µg/L	EPA 624	0.25	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/13/2014 12:41:00 PM	Chloride	n/a	=	6.1	mg/L	EPA 300.0	0.1	0.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/13/2014 12:41:00 PM	Fluoride	n/a	DNQ	0.042	mg/L	EPA 300.0	0.02	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/13/2014 5:48:00 PM	Perchlorate	n/a	<	0.95	µg/L	EPA 314.0	0.95	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/29/2014 8:45:00 PM	Calcium	Total	=	18.7	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/29/2014 8:45:00 PM	Magnesium	Total	=	8.11	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 12:16:00 PM	Alkalinity as CaCO3	n/a	=	25	mg/L	SM 2320 B	0.56	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/18/2014 11:10:00 AM	BOD	n/a	=	8.1	mg/L	SM 5210 B	2	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 6:28:00 PM	COD	n/a	=	110	mg/L	EPA 410.4	0.73	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/29/2014 8:45:00 PM	Hardness as CaCO3	Total	=	80	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/12/2014 9:34:00 PM	MBAS	n/a	DNQ	0.034	mg/L	SM 5540 C	0.019	0.05	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/29/2014 11:05:00 AM	Phenolics	n/a	DNQ	0.0047	mg/L	EPA 420.4	0.0042	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 5:41:00 PM	Specific Conductance	n/a	=	130	µmhos/cm	SM 2510 B	0.23	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/17/2014 9:20:00 AM	Total Dissolved Solids	n/a	=	86	mg/L	SM 2540 C	4	10	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/22/2014 7:50:00 AM	Total Organic Carbon	n/a	=	8.2	mg/L	SM 5310 C	0.036	1.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/18/2014 12:42:00 PM	Total Suspended Solids	n/a	=	600	mg/L	SM 2540 D	-88	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/12/2014 9:18:00 PM	Turbidity	n/a	=	120	NTU	EPA 180.1	0.024	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/18/2014 12:42:00 PM	Volatile Suspended Solids	n/a	=	70	mg/L	EPA 160.4	3.1	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/18/2014 9:44:00 PM	Diesel Range Organics	n/a	DNQ	0.069	mg/L	EPA 8015B	0.024	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/18/2014 9:44:00 PM	Oil Range Organics	n/a	<	0.33	mg/L	EPA 8015B	0.33	0.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Aluminum	Dissolved	=	39	µg/L	EPA 200.8	2.1	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 11:25:00 PM	Aluminum	Total	=	12000	µg/L	EPA 200.8	4.2	10	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Antimony	Dissolved	=	0.5	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 2:09:00 AM	Antimony	Total	=	1.3	µg/L	EPA 200.8	0.034	0.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Arsenic	Dissolved	=	1.2	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 2:09:00 AM	Arsenic	Total	=	7.6	µg/L	EPA 200.8	0.13	0.4	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 2:09:00 AM	Barium	Total	=	190	µg/L	EPA 200.8	0.097	0.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Beryllium	Dissolved	<	0.015	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 2:09:00 AM	Beryllium	Total	=	0.55	µg/L	EPA 200.8	0.015	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Cadmium	Dissolved	DNQ	0.04	µg/L	EPA 200.8	0.017	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 2:09:00 AM	Cadmium	Total	=	1	µg/L	EPA 200.8	0.017	0.1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Chromium	Dissolved	=	0.7	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 2:09:00 AM	Chromium	Total	=	24	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 12:13:00 PM	Chromium VI	n/a	=	0.54	µg/L	EPA 218.6	0.0048	0.02	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Copper	Dissolved	=	5	µg/L	EPA 200.8	0.036	0.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 11:25:00 PM	Copper	Total	=	68	µg/L	EPA 200.8	0.072	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/29/2014 8:42:00 PM	Iron	Dissolved	=	73	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/29/2014 8:45:00 PM	Iron	Total	=	19000	µg/L	EPA 200.7	1.1	10	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Lead	Dissolved	=	0.45	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 2:09:00 AM	Lead	Total	=	55	µg/L	EPA 200.8	0.024	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 4:07:00 PM	Mercury	Dissolved	<	3.9	ng/L	EPA 245.1	3.9	50	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 4:07:00 PM	Mercury	Total	DNQ	33	ng/L	EPA 245.1	3.9	50	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Nickel	Dissolved	=	1.2	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 2:09:00 AM	Nickel	Total	=	26	µg/L	EPA 200.8	0.091	0.8	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Selenium	Dissolved	DNQ	0.23	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 2:09:00 AM	Selenium	Total	=	0.74	µg/L	EPA 200.8	0.081	0.4	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Silver	Dissolved	<	0.012	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 2:09:00 AM	Silver	Total	DNQ	0.09	µg/L	EPA 200.8	0.012	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Thallium	Dissolved	<	0.034	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 2:09:00 AM	Thallium	Total	DNQ	0.19	µg/L	EPA 200.8	0.034	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 12:20:00 AM	Zinc	Dissolved	=	18	µg/L	EPA 200.8	0.5	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/7/2015 2:09:00 AM	Zinc	Total	=	440	µg/L	EPA 200.8	0.5	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 4:22:00 PM	Ammonia as N	n/a	=	0.2	mg/L	EPA 350.1	0.048	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/17/2014 4:03:00 PM	Nitrate + Nitrite as N	n/a	=	0.62	mg/L	EPA 353.2	0.01	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	1/2/2015 5:04:00 PM	Phosphorus as P	Dissolved	=	1	mg/L	EPA 365.1	0.014	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/30/2014 6:03:00 PM	Phosphorus as P	Total	=	1.4	mg/L	EPA 365.1	0.07	0.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/30/2014 7:02:00 PM	TKN	n/a	=	3.4	mg/L	EPA 351.2	0.05	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	1,2,4-Trichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	1,2-Dichlorobenzene	n/a	<	0.57	µg/L	EPA 625	0.57	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	1,2-Diphenylhydrazine	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	1,3-Dichlorobenzene	n/a	<	0.53	µg/L	EPA 625	0.53	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	1,4-Dichlorobenzene	n/a	<	0.55	µg/L	EPA 625	0.55	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	1-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	2,4,5-Trichlorophenol	n/a	<	0.29	µg/L	EPA 8270Cm	0.29	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	2,4,6-Trichlorophenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	2,4,6-Trichlorophenol	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	2,4-Dichlorophenol	n/a	<	0.51	µg/L	EPA 8270Cm	0.51	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	2,4-Dichlorophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	2,4-Dimethylphenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	2,4-Dimethylphenol	n/a	<	0.3	µg/L	EPA 625	0.3	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	2,4-Dinitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	2,4-Dinitrophenol	n/a	<	1.6	µg/L	EPA 625	1.6	10	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	2,4-Dinitrotoluene	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	2,6-Dinitrotoluene	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	2-Chloronaphthalene	n/a	<	0.45	µg/L	EPA 625	0.45	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	2-Chlorophenol	n/a	<	0.28	µg/L	EPA 625	0.28	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	2-Chlorophenol	n/a	<	0.65	µg/L	EPA 8270Cm	0.65	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	2-Methylnaphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	2-Methylphenol	n/a	<	0.34	µg/L	EPA 8270Cm	0.34	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	2-Nitrophenol	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	2-Nitrophenol	n/a	<	0.71	µg/L	EPA 8270Cm	0.71	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	3,3'-Dichlorobenzidine	n/a	<	1.2	µg/L	EPA 625	1.2	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	3-/4-Methylphenol	n/a	<	0.3	µg/L	EPA 8270Cm	0.3	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	0.14	µg/L	EPA 8270Cm	0.14	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	4,6-Dinitro-2-methylphenol	n/a	<	1.7	µg/L	EPA 625	1.7	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	4-Bromophenyl phenyl ether	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	4-Chloro-3-methylphenol	n/a	<	0.23	µg/L	EPA 625	0.23	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	4-Chloro-3-methylphenol	n/a	<	0.37	µg/L	EPA 8270Cm	0.37	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	4-Chlorophenyl phenyl ether	n/a	<	0.41	µg/L	EPA 625	0.41	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	4-Nitrophenol	n/a	<	0.45	µg/L	EPA 625	0.45	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	4-Nitrophenol	n/a	<	1	µg/L	EPA 8270Cm	1	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Acenaphthene	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Acenaphthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Acenaphthylene	n/a	<	0.4	µg/L	EPA 625	0.4	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Acenaphthylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Anthracene	n/a	<	0.34	µg/L	EPA 625	0.34	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Benz(a)anthracene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Benz(a)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Benzidine	n/a	<	3.7	µg/L	EPA 625	3.7	10	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Benzo(a)pyrene	n/a	<	0.07	µg/L	EPA 525.2	0.07	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Benzo(a)pyrene	n/a	<	0.13	µg/L	EPA 625	0.13	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Benzo(a)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Benzo(b)fluoranthene	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Benzo(b)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 625	0.1	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Benzo(g,h,i)perylene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Benzo(k)fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Benzo(k)fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Bis(2-chloroethoxy)methane	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Bis(2-chloroethyl)ether	n/a	<	0.27	µg/L	EPA 625	0.27	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Bis(2-chloroisopropyl)ether	n/a	<	0.38	µg/L	EPA 625	0.38	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Bis(2-ethylhexyl)adipate	n/a	<	0.1	µg/L	EPA 525.2	0.1	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	1.1	µg/L	EPA 525.2	1.1	3	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Bis(2-ethylhexyl)phthalate	n/a	<	2.3	µg/L	EPA 625	2.3	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Butyl benzyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Chrysene	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Chrysene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Dibenz(a,h)anthracene	n/a	<	0.08	µg/L	EPA 625	0.08	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Dibenz(a,h)anthracene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Diethyl phthalate	n/a	<	0.15	µg/L	EPA 625	0.15	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Dimethyl phthalate	n/a	<	0.18	µg/L	EPA 625	0.18	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Di-n-butylphthalate	n/a	<	0.24	µg/L	EPA 625	0.24	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Di-n-octylphthalate	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Fluoranthene	n/a	<	0.22	µg/L	EPA 625	0.22	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Fluoranthene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Fluorene	n/a	<	0.35	µg/L	EPA 625	0.35	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Fluorene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Hexachlorobenzene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Hexachlorobutadiene	n/a	<	0.47	µg/L	EPA 625	0.47	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Hexachlorocyclopentadiene	n/a	<	1.5	µg/L	EPA 625	1.5	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Hexachloroethane	n/a	<	0.52	µg/L	EPA 625	0.52	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Indeno(1,2,3-cd)pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Indeno(1,2,3-cd)pyrene	n/a	<	0.12	µg/L	EPA 625	0.12	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Isophorone	n/a	<	0.21	µg/L	EPA 625	0.21	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Naphthalene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Naphthalene	n/a	<	0.49	µg/L	EPA 625	0.49	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Nitrobenzene	n/a	<	0.36	µg/L	EPA 625	0.36	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	N-Nitrosodimethylamine	n/a	<	0.14	µg/L	EPA 625	0.14	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	N-Nitrosodi-N-propylamine	n/a	<	0.26	µg/L	EPA 625	0.26	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	N-Nitrosodiphenylamine	n/a	<	0.19	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Phenanthrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Phenanthrene	n/a	<	0.32	µg/L	EPA 625	0.32	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	Phenol	n/a	<	0.35	µg/L	EPA 8270Cm	0.35	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Phenol	n/a	<	0.16	µg/L	EPA 625	0.16	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Pyrene	n/a	<	0.25	µg/L	EPA 625	0.25	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:43:00 PM	Pyrene	n/a	<	0.1	µg/L	EPA 8270Cm	0.1	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	PCB Aroclor 1016	n/a	<	0.25	µg/L	EPA 608	0.25	2.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	PCB Aroclor 1221	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	PCB Aroclor 1232	n/a	<	0.75	µg/L	EPA 608	0.75	2.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	PCB Aroclor 1242	n/a	<	0.35	µg/L	EPA 608	0.35	2.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	PCB Aroclor 1248	n/a	<	0.3	µg/L	EPA 608	0.3	2.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	PCB Aroclor 1254	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	PCB Aroclor 1260	n/a	<	0.2	µg/L	EPA 608	0.2	2.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	2,4,5-T	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	2,4,5-TP	n/a	<	0.09	µg/L	EPA 515.3	0.09	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	2,4-D	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.4	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	2,4-DB	n/a	<	0.07	µg/L	EPA 515.3	0.07	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	3,5-Dichlorobenzoic acid	n/a	<	0.09	µg/L	EPA 515.3	0.09	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	4,4'-DDD	n/a	<	0.015	µg/L	EPA 608	0.015	0.25	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	4,4'-DDE	n/a	DNQ	0.02	µg/L	EPA 608	0.012	0.25	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	4,4'-DDT	n/a	<	0.016	µg/L	EPA 608	0.016	0.05	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	Acifluorfen	n/a	<	0.06	µg/L	EPA 515.3	0.06	0.4	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Alachlor	n/a	<	0.022	µg/L	EPA 525.2	0.022	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	Aldrin	n/a	<	0.0075	µg/L	EPA 608	0.0075	0.025	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	alpha-BHC	n/a	<	0.009	µg/L	EPA 608	0.009	0.05	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	alpha-Chlordane	n/a	<	0.02	µg/L	EPA 608	0.02	0.05	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Atrazine	n/a	<	0.034	µg/L	EPA 525.2	0.034	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 PM	Azinphos methyl	n/a	<	0.0055	µg/L	EPA 525.2m	0.0055	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	Bentazon	n/a	<	0.11	µg/L	EPA 515.3	0.11	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	beta-BHC	n/a	<	0.016	µg/L	EPA 608	0.016	0.025	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Bolstar	n/a	<	0.0046	µg/L	EPA 525.2m	0.0046	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Bromacil	n/a	<	0.038	µg/L	EPA 525.2	0.038	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Butachlor	n/a	<	0.017	µg/L	EPA 525.2	0.017	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Captan	n/a	<	0.86	µg/L	EPA 525.2	0.86	1	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	Chlordane (technical)	n/a	<	0.4	µg/L	EPA 608	0.4	0.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Chloropropham	n/a	<	0.01	µg/L	EPA 525.2	0.01	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Chlorpyrifos	n/a	DNQ	0.0077	µg/L	EPA 525.2m	0.0069	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Coumaphos	n/a	<	0.0051	µg/L	EPA 525.2m	0.0051	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Cyanazine	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	Dalapon	n/a	<	0.1	µg/L	EPA 515.3	0.1	0.4	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	DCPA (Dacthal)	n/a	<	0.07	µg/L	EPA 515.3	0.07	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	delta-BHC	n/a	<	0.012	µg/L	EPA 608	0.012	0.025	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Demeton-O	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Demeton-S	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Diazinon	n/a	<	0.0052	µg/L	EPA 525.2m	0.0052	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Diazinon	n/a	<	0.096	µg/L	EPA 525.2	0.096	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	Dicamba	n/a	<	0.12	µg/L	EPA 515.3	0.12	0.6	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	Dichlorprop	n/a	<	0.08	µg/L	EPA 515.3	0.08	0.3	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Dichlorvos	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	Dieldrin	n/a	<	0.01	µg/L	EPA 608	0.01	0.05	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Dimethoate	n/a	DNQ	0.0064	µg/L	EPA 525.2m	0.0062	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Dimethoate	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	Dinoseb	n/a	<	0.14	µg/L	EPA 515.3	0.14	0.4	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Diphenamid	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Disulfoton	n/a	<	0.031	µg/L	EPA 525.2	0.031	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Disulfoton	n/a	<	0.01	µg/L	EPA 525.2m	0.01	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	Endosulfan I	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	Endosulfan II	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	Endosulfan sulfate	n/a	<	0.04	µg/L	EPA 608	0.04	0.25	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	Endrin	n/a	<	0.014	µg/L	EPA 608	0.014	0.05	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	Endrin aldehyde	n/a	<	0.015	µg/L	EPA 608	0.015	0.05	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	EPTC	n/a	<	0.017	µg/L	EPA 525.2	0.017	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Ethoprop	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Ethyl parathion	n/a	<	0.0054	µg/L	EPA 525.2m	0.0054	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Fensulfthion	n/a	<	0.0029	µg/L	EPA 525.2m	0.0029	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Fenthion	n/a	<	0.0038	µg/L	EPA 525.2m	0.0038	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	gamma-BHC (Lindane)	n/a	<	0.01	µg/L	EPA 608	0.01	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	gamma-Chlordane	n/a	<	0.022	µg/L	EPA 608	0.022	0.05	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/15/2014 5:59:00 PM	Glyphosate	n/a	=	20	µg/L	EPA 547	1.8	5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	Heptachlor	n/a	<	0.0085	µg/L	EPA 608	0.0085	0.05	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	Heptachlor epoxide	n/a	<	0.0095	µg/L	EPA 608	0.0095	0.05	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Malathion	n/a	=	0.033	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Merphos	n/a	<	0.0058	µg/L	EPA 525.2m	0.0058	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	Methoxychlor	n/a	<	0.027	µg/L	EPA 608	0.027	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Methyl parathion	n/a	<	0.0063	µg/L	EPA 525.2m	0.0063	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Metolachlor	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Metribuzin	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Mevinphos	n/a	<	0.0042	µg/L	EPA 525.2m	0.0042	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Molinate	n/a	<	0.039	µg/L	EPA 525.2	0.039	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Naled	n/a	<	0.0076	µg/L	EPA 525.2m	0.0076	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 9:08:00 AM	Pentachlorophenol	n/a	DNQ	0.71	µg/L	EPA 8270Cm	0.15	1	WKL	-LCSRPD, HB-L
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	Pentachlorophenol	n/a	DNQ	0.12	µg/L	EPA 515.3	0.04	0.2	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/19/2014 7:06:00 AM	Pentachlorophenol	n/a	=	1	µg/L	EPA 625	0.19	1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Phorate	n/a	<	0.003	µg/L	EPA 525.2m	0.003	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/23/2014 6:30:00 AM	Picloram	n/a	<	0.05	µg/L	EPA 515.3	0.05	0.6	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Prometon	n/a	<	0.024	µg/L	EPA 525.2	0.024	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Prometryn	n/a	<	0.036	µg/L	EPA 525.2	0.036	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Ronnel (Fenchlorphos)	n/a	<	0.0041	µg/L	EPA 525.2m	0.0041	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Simazine	n/a	<	0.015	µg/L	EPA 525.2	0.015	0.1	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Stirophos (Tetrachlorvinphos)	n/a	<	0.0031	µg/L	EPA 525.2m	0.0031	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Terbacil	n/a	<	0.55	µg/L	EPA 525.2	0.55	2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Thiobencarb	n/a	<	0.025	µg/L	EPA 525.2	0.025	0.2	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Tokuthion	n/a	<	0.0078	µg/L	EPA 525.2m	0.0078	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/26/2014 11:18:00 PM	Toxaphene	n/a	<	0.6	µg/L	EPA 608	0.6	2.5	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/20/2014 5:20:00 AM	Trichloronate	n/a	<	0.0067	µg/L	EPA 525.2m	0.0067	0.01	WKL	
MO-VEN	2014/15-3	Wet	12/12/2014 12:22:00 PM	12/24/2014 3:24:00 AM	Triithion	n/a	<	0.012	µg/L	EPA 525.2	0.012	0.1	WKL	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/21/2015 8:30:00 AM	E. Coli	n/a	=	12997	MPN/100 mL	MMO-MUG	10	10	VCHCA	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/21/2015 8:30:00 AM	Total Coliform	n/a	=	224700	MPN/100 mL	MMO-MUG	1000	1000	VCHCA	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/26/2015 4:04:00 PM	Calcium	Total	=	174	mg/L	EPA 200.7	0.016	0.1	WKL	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/26/2015 4:04:00 PM	Magnesium	Total	=	90.8	mg/L	EPA 200.7	0.012	0.1	WKL	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/20/2015 6:55:00 AM	Conductivity	n/a	=	1956	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/20/2015 6:55:00 AM	Discharge	n/a	=	0.05	cfs	Field Estimate	-88	-88	Field Crew	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/20/2015 6:55:00 AM	DO	n/a	=	82.4	%	Field Meter	-88	0.1	Field Crew	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/20/2015 6:55:00 AM	DO	n/a	=	7.16	mg/L	Field Meter	-88	0.3	Field Crew	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/26/2015 4:04:00 PM	Hardness as CaCO3	Total	=	808	mg/L	EPA 200.7	0.0894	0.662	WKL	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/20/2015 6:55:00 AM	pH	n/a	=	8.45	pH Units	Field Meter	-88	0.01	Field Crew	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/20/2015 6:55:00 AM	Salinity	n/a	=	1100	mg/L	Field Meter	-88	100	Field Crew	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/20/2015 6:55:00 AM	Specific Conductance	n/a	=	2063	µmhos/cm	Field Meter	-88	1	Field Crew	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/20/2015 6:55:00 AM	Temperature	n/a	=	22.1	°C	Field Meter	-88	0.1	Field Crew	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/26/2015 11:01:00 AM	Total Organic Carbon	n/a	=	47	mg/L	SM 5310 C	0.18	6	WKL	D
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	8/20/2015 6:55:00 AM	Turbidity	n/a	=	15.1	NTU	Field Meter	-88	0.01	Field Crew	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	9/2/2015 2:11:00 PM	Copper	Dissolved	=	170	µg/L	EPA 200.8	0.13	0.5	WKL	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	9/2/2015 2:11:00 PM	Lead	Dissolved	=	0.77	µg/L	EPA 200.8	0.031	0.2	WKL	
MO-VEN	2015-DRY	Dry	8/20/2015 6:55:00 AM	9/2/2015 2:11:00 PM	Zinc	Dissolved	=	38	µg/L	EPA 200.8	0.94	5	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	4/15/2015 8:45:00 AM	Conductivity	n/a	=	2508	µmhos/cm	Field Meter	-88	1	Field Crew	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	4/15/2015 8:45:00 AM	Discharge	n/a	=	0	cfs	Field Meter	-88	-88	Field Crew	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	4/15/2015 8:45:00 AM	DO	n/a	=	73.1	%	Field Meter	-88	0.1	Field Crew	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	4/15/2015 8:45:00 AM	DO	n/a	=	7.12	mg/L	Field Meter	-88	0.3	Field Crew	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	4/15/2015 8:45:00 AM	pH	n/a	=	7.52	pH Units	Field Meter	-88	0.01	Field Crew	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	4/15/2015 8:45:00 AM	Salinity	n/a	=	1600	mg/L	Field Meter	-88	100	Field Crew	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	4/15/2015 8:45:00 AM	Specific Conductance	n/a	=	3034	µmhos/cm	Field Meter	-88	1	Field Crew	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	4/15/2015 8:45:00 AM	Temperature	n/a	=	16	°C	Field Meter	-88	0.1	Field Crew	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	4/27/2015 3:58:00 PM	Total Organic Carbon	n/a	=	11400	mg/Kg dw	EPA 9060	36	200	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	4/15/2015 8:45:00 AM	Turbidity	n/a	=	4.2	NTU	Field Meter	-88	0.01	Field Crew	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Dichloran	n/a	=	1.1	ng/g dw	rthrGCMS-SI	0.94	0.94	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Pendimethalin	n/a	=	8.8	ng/g dw	rthrGCMS-SI	0.94	0.94	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Allethrin	n/a	<	0.94	ng/g dw	rthrGCMS-SI	0.94	0.94	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Bifenthrin	n/a	=	2.6	ng/g dw	rthrGCMS-SI	0.94	0.94	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Cyfluthrin	n/a	<	0.94	ng/g dw	rthrGCMS-SI	0.94	0.94	WKL	LB-LCSR
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Cypermethrin	n/a	<	0.94	ng/g dw	rthrGCMS-SI	0.94	0.94	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Deltamethrin	n/a	<	0.94	ng/g dw	rthrdGCMS-SI	0.94	0.94	WKL	LB-LCSR
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Esfenvalerate	n/a	<	0.94	ng/g dw	rthrdGCMS-SI	0.94	0.94	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Fenprothrin (Danitol)	n/a	<	0.94	ng/g dw	rthrdGCMS-SI	0.94	0.94	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Fenvalerate	n/a	<	0.94	ng/g dw	rthrdGCMS-SI	0.94	0.94	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	lambda-Cyhalothrin	n/a	<	0.94	ng/g dw	rthrdGCMS-SI	0.94	0.94	WKL	LB-LCSR
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Permethrin	n/a	<	0.94	ng/g dw	rthrdGCMS-SI	0.94	0.94	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Phenothrin (Sumithrin)	n/a	<	0.94	ng/g dw	rthrdGCMS-SI	0.94	0.94	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Prallethrin	n/a	<	0.94	ng/g dw	rthrdGCMS-SI	0.94	0.94	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Tefluthrin	n/a	<	0.94	ng/g dw	rthrdGCMS-SI	0.94	0.94	WKL	
SCR Down	PS-2015	Dry	4/15/2015 8:45:00 AM	5/8/2015 9:44:00 AM	Tralomethrin	n/a	<	0.94	ng/g dw	rthrdGCMS-SI	0.94	0.94	WKL	LB-LCSR
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	4/15/2015 2:05:00 PM	Conductivity	n/a	=	1286	µmhos/cm	Field Meter	-88	1	Field Crew	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	4/15/2015 2:05:00 PM	Discharge	n/a	=	1.61	cfs	Field Meter	-88	-88	Field Crew	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	4/15/2015 2:05:00 PM	DO	n/a	=	10.06	mg/L	Field Meter	-88	0.3	Field Crew	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	4/15/2015 2:05:00 PM	DO	n/a	=	115.3	%	Field Meter	-88	0.1	Field Crew	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	4/15/2015 2:05:00 PM	pH	n/a	=	8.41	pH Units	Field Meter	-88	0.01	Field Crew	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	4/15/2015 2:05:00 PM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	4/15/2015 2:05:00 PM	Specific Conductance	n/a	=	1379	µmhos/cm	Field Meter	-88	1	Field Crew	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	4/15/2015 2:05:00 PM	Temperature	n/a	=	21.6	°C	Field Meter	-88	0.1	Field Crew	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	4/27/2015 3:58:00 PM	Total Organic Carbon	n/a	=	17000	mg/Kg dw	EPA 9060	36	200	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	4/15/2015 2:05:00 PM	Turbidity	n/a	=	4.94	NTU	Field Meter	-88	0.01	Field Crew	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Dichloran	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Pendimethalin	n/a	<	1.4	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Allethrin	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Bifenthrin	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Cyfluthrin	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	LB-LCSR
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Cypermethrin	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Deltamethrin	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	LB-LCSR
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Esfenvalerate	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Fenprothrin (Danitol)	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Fenvalerate	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	lambda-Cyhalothrin	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	LB-LCSR
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Permethrin	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Phenothrin (Sumithrin)	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Prallethrin	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Tefluthrin	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	
SCR Up	PS-2015	Dry	4/15/2015 2:05:00 PM	5/8/2015 8:59:00 AM	Tralomethrin	n/a	<	0.92	ng/g dw	rthrdGCMS-SI	0.92	0.92	WKL	LB-LCSR
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	4/16/2015 8:45:00 AM	Conductivity	n/a	=	1245	µmhos/cm	Field Meter	-88	1	Field Crew	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	4/16/2015 8:45:00 AM	Discharge	n/a	=	3.82	cfs	Field Meter	-88	-88	Field Crew	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	4/16/2015 8:45:00 AM	DO	n/a	=	82.3	%	Field Meter	-88	0.1	Field Crew	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	4/16/2015 8:45:00 AM	DO	n/a	=	8.14	mg/L	Field Meter	-88	0.3	Field Crew	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	4/16/2015 8:45:00 AM	pH	n/a	=	8.03	pH Units	Field Meter	-88	0.01	Field Crew	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	4/16/2015 8:45:00 AM	Salinity	n/a	=	800	mg/L	Field Meter	-88	100	Field Crew	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	4/16/2015 8:45:00 AM	Specific Conductance	n/a	=	1523	µmhos/cm	Field Meter	-88	1	Field Crew	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	4/16/2015 8:45:00 AM	Temperature	n/a	=	15.5	°C	Field Meter	-88	0.1	Field Crew	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	4/27/2015 3:58:00 PM	Total Organic Carbon	n/a	=	18800	mg/Kg dw	EPA 9060	36	200	WKL	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	4/16/2015 8:45:00 AM	Turbidity	n/a	=	11	NTU	Field Meter	-88	0.01	Field Crew	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Dichloran	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Pendimethalin	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	

Appendix G
Laboratory Environmental Analysis Results

Site ID	Event	Event Type	Sample Date	Analysis Date	Constituent	Fraction	Sign	Result	Units	Method	MDL	Reporting Limit	Analyzing Laboratory	Qualifier
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Allethrin	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Bifenthrin	n/a	=	2.8	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Cyfluthrin	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	LB-LCSR
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Cypermethrin	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Deltamethrin	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	LB-LCSR
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Esfenvalerate	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Fenpropathrin (Danitol)	n/a	=	1.4	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Fenvalerate	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	lambda-Cyhalothrin	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	LB-LCSR
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Permethrin	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Phenothrin (Sumithrin)	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Prallethrin	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Tefluthrin	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	
VR Down	PS-2015	Dry	4/16/2015 8:45:00 AM	5/8/2015 8:15:00 AM	Tralomethrin	n/a	<	0.82	ng/g dw	rthrdGCMS-SI	0.82	0.82	WKL	LB-LCSR
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	4/15/2015 4:00:00 PM	Conductivity	n/a	=	1311	µmhos/cm	Field Meter	-88	1	Field Crew	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	4/15/2015 4:00:00 PM	Discharge	n/a	=	0	cfs	Field Meter	-88	-88	Field Crew	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	4/15/2015 4:00:00 PM	DO	n/a	=	162.9	%	Field Meter	-88	0.1	Field Crew	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	4/15/2015 4:00:00 PM	DO	n/a	=	13.63	mg/L	Field Meter	-88	0.3	Field Crew	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	4/15/2015 4:00:00 PM	pH	n/a	=	8.36	pH Units	Field Meter	-88	0.01	Field Crew	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	4/15/2015 4:00:00 PM	Salinity	n/a	=	700	mg/L	Field Meter	-88	100	Field Crew	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	4/15/2015 4:00:00 PM	Specific Conductance	n/a	=	1330	µmhos/cm	Field Meter	-88	1	Field Crew	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	4/15/2015 4:00:00 PM	Temperature	n/a	=	23.7	°C	Field Meter	-88	0.1	Field Crew	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	4/27/2015 3:58:00 PM	Total Organic Carbon	n/a	=	33800	mg/Kg dw	EPA 9060	36	200	WKL	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	4/15/2015 4:00:00 PM	Turbidity	n/a	=	2.23	NTU	Field Meter	-88	0.01	Field Crew	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Dichloran	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Pendimethalin	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Allethrin	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Bifenthrin	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Cyfluthrin	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	B-LCSR, LB-MS
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Cypermethrin	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	LB-MSR
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Deltamethrin	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	B-LCSR, LB-MS
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Esfenvalerate	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	LB-MSR
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Fenpropathrin (Danitol)	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Fenvalerate	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	LB-MSR
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	lambda-Cyhalothrin	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	B-LCSR, LB-MS
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Permethrin	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Phenothrin (Sumithrin)	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Prallethrin	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	LB-MSR
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Tefluthrin	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	LB-MSR
VR Up	PS-2015	Dry	4/15/2015 4:00:00 PM	5/8/2015 7:31:00 AM	Tralomethrin	n/a	<	0.83	ng/g dw	rthrdGCMS-SI	0.83	0.83	WKL	B-LCSR, LB-MS

Appendix H. RWQCB Permission of Toxicity Species Substitution



California Regional Water Quality Control Board

Los Angeles Region



Recipient of the 2001 *Environmental Leadership Award* from Keep California Beautiful

Linda S. Adams
Agency Secretary

320 W. 4th Street, Suite 200, Los Angeles, California 90013
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.waterboards.ca.gov/losangeles>

Arnold Schwarzenegger
Governor

October 28, 2009

Ms. Norma Camacho, Director
Ventura County Watershed Protection District
800 South Victoria Ave., L#1600
Ventura, CA 93009-1600

Certified Mail
Return Receipt Requested
Claim No. 7009 0820 0001 6811 7509

**SUBJECT: TOXICITY TEST SPECIES SUBSTITUTION, VENTURA COUNTY
MUNICIPAL SEPARATE STORM SEWER SYSTEM DISCHARGE (MS4)
PERMIT (BOARD ORDER No. 09-0057; NPDES No. CAS004002)**

Dear Ms. Camacho:

On October 14, 2009, the Regional Board staff received a request from the Ventura County Watershed Protection District (County) to substitute topmelt, *Atherinops affinis*, with the inland silverside, *Menidia beryllina*, due to the unavailability of topmelt from the supplier. After consultation with US EPA staff, Regional Board staff denied the request. On October 15, 2009, the Regional Board received an e-mail from the County, titled "Notification of toxicity exception - (species unavailable) Ventura County MS4 NPDES Permit Order No. 09-0057 (Monitoring Program)". The County's e-mail communication was submitted pursuant to requirements in subparts D.5 and D.8(b) of the Ventura County MS4 Permit's Monitoring Program (Monitoring Program), which requires an explanation of the circumstance with documentation when toxicity tests cannot be performed to comply with the requirements of this permit, and written authorization from the Regional Board Executive Officer to substitute test species.

In order to evaluate the appropriateness of substituting topmelt, *Atherinops affinis*, with the inland silverside, *Menidia beryllina*, in toxicity testing at mass emissions stations in the future, the Regional Board requires the County to conduct comparative static renewal toxicity tests on both species as follows. During the next storm event of this permit year (2009-10) and the first storm event of next permit year (2010-11), the County shall conduct toxicity tests on both topmelt, *Atherinops affinis*, and the inland silverside, *Menidia beryllina*, along with giant kelp, *Macrocystis pyrifera*, and the purple sea urchin, *Strongylocentrotus purpuratus*, pursuant to subpart D.8(a) of the Monitoring Program. The County shall submit the results of the comparative toxicity tests as part of its reporting requirements.

RECEIVED

NOV 5 2009

California Environmental Protection Agency



Ms. Norma Camacho, Director - 2 of 2 -
Ventura County Watershed Protection District

October 28, 2009

In the event that topsmelt, *Atherinops affinis*, is unavailable for testing during future sampling events conducted under the Monitoring Program, the County shall follow the protocol set forth in subpart D.5 of the Monitoring Program. The County shall notify the Regional Board by phone and e-mail as soon as possible if a test species is unavailable. Notification shall be sent directly to me as well as Tracy Woods, Stormwater Permitting Unit, with a copy to Renee Purdy, Chief, Regional Programs Section. The County shall submit to the Regional Board documentation of species unavailability from both the County's contract lab and the contract lab's supplier at least 48 hours prior to the planned sampling event to provide adequate time for my staff to evaluate any request for species substitution. Any approval or denial of a request for species substitution must be authorized pursuant to subpart D.8(b) of the Monitoring Program.

If you have any questions, please contact me at (213) 576-6605, or Renee Purdy at (213) 576-6783.

Sincerely,



Tracy J. Egoscue,
Executive Officer

cc: Mr. Bruce Fujimoto, Division of Water Quality, State Water Resources Control Board
Mr. Gerhardt Hubner, Ventura County Watershed Protection District
Mr. Arne Anselm, Ventura County Watershed Protection District

Appendix I. Aquatic Toxicity Testing Lab Results



December 17, 2014

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*" EPA-821-R-02-013. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:

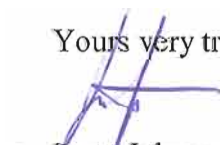
CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-CAM
DATE RECEIVED:	11/1/2014
ABC LAB. NO.:	VCF1114.003

CHRONIC FATHEAD MINNOW SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TU _c =	1.00
	EC25 =	>100.00 %
	EC50 =	>100.00 %

BIOMASS	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 11:50 (p 1 of 2)
 Test Code: VCF1114.003 | 04-0387-0790

Fathead Minnow 7-d Larval Survival and Growth Test Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 21-1267-1735	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 01 Nov-14 13:04	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 11h	Source: Aquatic Biosystems, CO	Age:

Sample ID: 14-4008-9753	Code: VCF1114.003	Client: VCWPD
Sample Date: 01 Nov-14 00:25	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 13h (9.5 °C)	Station: MO-CAM	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
07-2494-1685	7d Survival Rate	100	>100	NA	10.7%	1	Steel Many-One Rank Sum Test
16-7953-6492	Mean Dry Biomass-mg	100	>100	NA	19.0%	1	Dunnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
14-3243-2598	7d Survival Rate	EC5	50	20	N/A	2	Linear Interpolation (ICPIN)
		EC10	87.5	23.86	N/A	1.143	
		EC15	>100	N/A	N/A	<1	
		EC20	>100	N/A	N/A	<1	
		EC25	>100	N/A	N/A	<1	
		EC40	>100	N/A	N/A	<1	
04-3222-0785	Mean Dry Biomass-mg	IC5	21.99	13.26	49.12	4.547	Linear Interpolation (ICPIN)
		IC10	34.33	12.56	86	2.913	
		IC15	47.99	10.94	N/A	2.084	
		IC20	87.65	15.55	N/A	1.141	
		IC25	>100	N/A	N/A	<1	
		IC40	>100	N/A	N/A	<1	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
07-2494-1685	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
14-3243-2598	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
04-3222-0785	Mean Dry Biomass-mg	Control Resp	0.3353	0.25 - NL	Yes	Passes Acceptability Criteria
16-7953-6492	Mean Dry Biomass-mg	Control Resp	0.3353	0.25 - NL	Yes	Passes Acceptability Criteria
16-7953-6492	Mean Dry Biomass-mg	PMSD	0.1902	0.12 - 0.3	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	4	1	1	1	1	1	0	0	0.0%	0.0%
6.25		4	1	1	1	1	1	0	0	0.0%	0.0%
12.5		4	1	1	1	1	1	0	0	0.0%	0.0%
25		4	0.9833	0.9303	1	0.9333	1	0.01667	0.03333	3.39%	1.67%
50		4	0.95	0.7909	1	0.8	1	0.05	0.1	10.53%	5.0%
100		4	0.8833	0.6327	1	0.6667	1	0.07876	0.1575	17.83%	11.67%

Mean Dry Biomass-mg Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	4	0.3353	0.258	0.4127	0.292	0.404	0.0243	0.04861	14.5%	0.0%
6.25		4	0.3665	0.327	0.406	0.3453	0.4013	0.01243	0.02485	6.78%	-9.29%
12.5		4	0.4018	0.3213	0.4824	0.326	0.4307	0.02531	0.05062	12.6%	-19.83%
25		4	0.3437	0.2953	0.3921	0.312	0.384	0.01521	0.03041	8.85%	-2.49%
50		4	0.31	0.2614	0.3586	0.266	0.3307	0.01527	0.03054	9.85%	7.56%
100		4	0.2892	0.2383	0.34	0.2593	0.3233	0.01598	0.03196	11.05%	13.77%

CETIS Analytical Report

Report Date: 17 Dec-14 11:50 (p 1 of 4)
 Test Code: VCF1114.003 | 04-0387-0790

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 07-2494-1685	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7
Analyzed: 13 Nov-14 12:32	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes
Batch ID: 21-1267-1735	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 01 Nov-14 13:04	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 11h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 14-4008-9753	Code: VCF1114.003	Client: VCWPD
Sample Date: 01 Nov-14 00:25	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 13h (9.5 °C)	Station: MO-CAM	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Angular (Corrected)	NA	C > T	NA	NA	10.7%	100	>100	NA	1

Steel Many-One Rank Sum Test

Control	vs	C-%	Test Stat	Critical	Ties	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		6.25	18	10	1	6	0.8333	Asymp	Non-Significant Effect
		12.5	18	10	1	6	0.8333	Asymp	Non-Significant Effect
		25	16	10	1	6	0.6105	Asymp	Non-Significant Effect
		50	16	10	1	6	0.6105	Asymp	Non-Significant Effect
		100	14	10	1	6	0.3451	Asymp	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.1059851	0.02119703	5	1.471	0.2478	Non-Significant Effect
Error	0.259328	0.01440711	18			
Total	0.3653131		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Mod Levene Equality of Variance	2.714	4.248	0.0536	Equal Variances
Variances	Levene Equality of Variance	8.146	4.248	0.0004	Unequal Variances
Distribution	Shapiro-Wilk W Normality	0.8095	0.884	0.0004	Non-normal Distribution
Distribution	Kolmogorov-Smirnov D	0.3333	0.2056	<0.0001	Non-normal Distribution
Distribution	D'Agostino Skewness	2.447	2.576	0.0144	Normal Distribution
Distribution	D'Agostino Kurtosis	2.347	2.576	0.0189	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	11.5	9.21	0.0032	Non-normal Distribution
Distribution	Anderson-Darling A2 Normality	2.338	3.878	<0.0001	Non-normal Distribution

7d Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	1	1	1	1	1	1	0	0.0%	0.0%
6.25		4	1	1	1	1	1	1	0	0.0%	0.0%
12.5		4	1	1	1	1	1	1	0	0.0%	0.0%
25		4	0.9833	0.9303	1	1	0.9333	1	0.01667	3.39%	1.67%
50		4	0.95	0.7909	1	1	0.8	1	0.05	10.53%	5.0%
100		4	0.8833	0.6327	1	0.9333	0.6667	1	0.07876	17.83%	11.67%

CETIS Analytical Report

Report Date: 17 Dec-14 11:50 (p 3 of 4)
 Test Code: VCF1114.003 | 04-0387-0790

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 16-7953-6492	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7
Analyzed: 13 Nov-14 12:32	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 21-1267-1735	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 01 Nov-14 13:04	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 11h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 14-4008-9753	Code: VCF1114.003	Client: VCWPD
Sample Date: 01 Nov-14 00:25	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 13h (9.5 °C)	Station: MO-CAM	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	19.0%	100	>100	NA	1

Dunnett Multiple Comparison Test

Control	vs	C-%	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		6.25	-1.176	2.407	0.064	6	0.9894	CDF	Non-Significant Effect
		12.5	-2.51	2.407	0.064	6	0.9998	CDF	Non-Significant Effect
		25	-0.3146	2.407	0.064	6	0.9093	CDF	Non-Significant Effect
		50	0.9563	2.407	0.064	6	0.4413	CDF	Non-Significant Effect
		100	1.743	2.407	0.064	6	0.1589	CDF	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.3353	0.25 - NL	Yes	Passes Acceptability Criteria
PMSD	0.1902	0.12 - 0.3	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.03215128	0.006430255	5	4.581	0.0072	Significant Effect
Error	0.02526455	0.001403586	18			
Total	0.05741583		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	2.237	15.09	0.8155	Equal Variances
Variances	Mod Levene Equality of Variance	0.1526	4.248	0.9766	Equal Variances
Variances	Levene Equality of Variance	0.6691	4.248	0.6519	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9805	0.884	0.9050	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.1452	0.2056	0.2096	Normal Distribution
Distribution	D'Agostino Skewness	0.4459	2.576	0.6556	Normal Distribution
Distribution	D'Agostino Kurtosis	0.1856	2.576	0.8528	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	0.2333	9.21	0.8899	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.2898	3.878	0.6428	Normal Distribution

Mean Dry Biomass-mg Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	0.3353	0.258	0.4127	0.3227	0.292	0.404	0.0243	14.5%	0.0%
6.25		4	0.3665	0.327	0.406	0.3597	0.3453	0.4013	0.01243	6.78%	-9.29%
12.5		4	0.4018	0.3213	0.4824	0.4253	0.326	0.4307	0.02531	12.6%	-19.83%
25		4	0.3437	0.2953	0.3921	0.3393	0.312	0.384	0.01521	8.85%	-2.49%
50		4	0.31	0.2614	0.3586	0.3217	0.266	0.3307	0.01527	9.85%	7.56%
100		4	0.2892	0.2383	0.34	0.287	0.2593	0.3233	0.01598	11.05%	13.77%

CETIS Analytical Report

Report Date: 17 Dec-14 11:50 (p 2 of 4)
Test Code: VCF1114.003 | 04-0387-0790

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 14-3243-2598 Endpoint: 7d Survival Rate
Analyzed: 13 Nov-14 12:32 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.8.7
Official Results: Yes

CETIS Measurement Report

Report Date: 17 Dec-14 11:50 (p 1 of 2)
 Test Code: VCF1114.003 | 04-0387-0790

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID:	21-1267-1735	Test Type:	Growth-Survival (7d)	Analyst:	
Start Date:	01 Nov-14 13:04	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water
Ending Date:	08 Nov-14	Species:	Pimephales promelas	Brine:	Not Applicable
Duration:	6d 11h	Source:	Aquatic Biosystems, CO	Age:	
Sample ID:	14-4008-9753	Code:	VCF1114.003	Client:	VCWPD
Sample Date:	01 Nov-14 00:25	Material:	Sample Water	Project:	
Receive Date:	01 Nov-14 05:11	Source:	Bioassay Report		
Sample Age:	13h (9.5 °C)	Station:	MO-CAM		

Alkalinity (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	67	67	67	67	67	0	0	0.0%	0
100		8	68	68	68	68	68	0	0	0.0%	0
Overall		16	67.5			67	68				0 (0%)

Conductivity-µmhos

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	332.6	329.2	336.1	328	340	1.463	4.138	1.24%	0
6.25		8	329.6	323.1	336.1	320	340	2.745	7.763	2.36%	0
12.5		8	325.8	318.6	332.9	312	332	3.028	8.565	2.63%	0
25		8	324.9	319.3	330.5	315	334	2.379	6.728	2.07%	0
50		8	327.8	323	332.5	319	339	1.989	5.625	1.72%	0
100		8	329	315.7	342.3	308	351	5.638	15.95	4.85%	0
Overall		48	328.3			308	351				0 (0%)

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.888	7.641	8.134	7.6	8.3	0.1043	0.2949	3.74%	0
6.25		8	7.55	7.181	7.919	7	8.2	0.1558	0.4408	5.84%	0
12.5		8	7.463	7.009	7.916	6.8	8.3	0.1917	0.5423	7.27%	0
25		8	7.288	6.727	7.848	6.3	8.3	0.2371	0.6707	9.2%	0
50		8	7.025	6.453	7.597	6.2	8.5	0.2418	0.684	9.74%	0
100		8	6.563	5.484	7.641	5	9.1	0.4563	1.291	19.67%	0
Overall		48	7.296			5	9.1				0 (0%)

Hardness (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	82.75	78.49	87.01	80	91	1.8	5.092	6.15%	0
100		8	100	100	100	100	100	0	0	0.0%	0
Overall		16	91.38			80	100				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.913	7.768	8.057	7.7	8.2	0.06106	0.1727	2.18%	0
6.25		8	7.863	7.668	8.057	7.5	8.2	0.08224	0.2326	2.96%	0
12.5		8	7.813	7.596	8.029	7.4	8.2	0.09149	0.2588	3.31%	0
25		8	7.738	7.559	7.916	7.4	8.1	0.07545	0.2134	2.76%	0
50		8	7.625	7.417	7.833	7.3	8.1	0.08814	0.2493	3.27%	0
100		8	7.45	7.209	7.691	7.1	8	0.1018	0.2878	3.86%	0
Overall		48	7.733			7.1	8.2				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:50 (p 2 of 2)
 Test Code: VCF1114.003 | 04-0387-0790

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.11	23.88	24.35	24	24.8	0.09899	0.28	1.16%	0
6.25		8	24.24	23.89	24.58	24	24.9	0.1451	0.4104	1.69%	0
12.5		8	24.09	23.94	24.23	24	24.5	0.06105	0.1727	0.72%	0
25		8	24.08	23.93	24.22	24	24.5	0.06196	0.1752	0.73%	0
50		8	24.06	23.96	24.16	24	24.3	0.04199	0.1188	0.49%	0
100		8	24.05	23.96	24.14	24	24.3	0.0378	0.1069	0.44%	0
Overall		48	24.1			24	24.9				0 (0%)

Alkalinity (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	67	67	67	67	67	67	67	67
100		68	68	68	68	68	68	68	68

Conductivity-µmhos

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	340	334	331	337	332	328	329	330
6.25		320	320	340	334	339	325	330	329
12.5		328	312	330	332	312	331	331	330
25		324	315	328	329	315	334	326	328
50		319	324	327	327	329	339	329	328
100		308	316	315	322	335	351	347	338

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	8	8.2	7.6	7.7	7.6	8.3	7.6	8.1
6.25		8	8.2	7.8	7.1	7.7	7.4	7.2	7
12.5		8.3	8	7.7	6.9	7.7	7.2	7.1	6.8
25		8.3	7.8	7.6	6.3	7.7	7.1	6.8	6.7
50		8.5	6.7	7.4	6.2	6.7	7	6.8	6.9
100		9.1	5	6.4	5.9	7.5	6.4	5.4	6.8

Hardness (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	91	91	80	80	80	80	80	80
100		100	100	100	100	100	100	100	100

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	8.1	8	7.8	8.2	7.8	7.8	7.7	7.9
6.25		8.2	8	8.1	7.8	7.7	7.5	7.7	7.9
12.5		8.2	8	8	7.6	7.7	7.4	7.7	7.9
25		8.1	7.8	7.9	7.6	7.7	7.4	7.6	7.8
50		8.1	7.6	7.8	7.4	7.6	7.3	7.5	7.7
100		8	7.2	7.5	7.3	7.4	7.1	7.4	7.7

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	24	24.8	24	24	24.1	24	24	24
6.25		24	24.9	24.9	24	24.1	24	24	24
12.5		24.1	24.5	24	24	24.1	24	24	24
25		24.1	24.5	24	24	24	24	24	24
50		24.2	24.3	24	24	24	24	24	24
100		24.3	24	24	24.1	24	24	24	24



December 17, 2014

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* EPA-821-R-02-013. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:

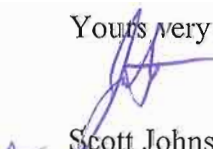
CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-OJA
DATE RECEIVED:	11/1/2014
ABC LAB. NO.:	VCF1114.004

CHRONIC FATHEAD MINNOW SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TU _c =	1.00
	EC25 =	>100.00 %
	EC50 =	>100.00 %

BIOMASS	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 11:51 (p 2 of 2)
 Test Code: VCF1114.004 | 06-4816-9771

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Contro	1	1	1	0.9333
6.25		1	1	1	1
12.5		0.9333	1	1	1
25		1	1	0.9333	1
50		0.9333	0.8667	0.8667	0.9333
100		0.9333	0.9333	0.9333	1

Mean Dry Biomass-mg Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Contro	0.3033	0.2687	0.318	0.2773
6.25		0.4007	0.368	0.42	0.3467
12.5		0.37	0.396	0.406	0.368
25		0.3747	0.3553	0.3487	0.3207
50		0.33	0.372	0.3107	0.336
100		0.306	0.3447	0.3347	0.3493

7d Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Contro	15/15	15/15	15/15	14/15
6.25		15/15	15/15	15/15	15/15
12.5		14/15	15/15	15/15	15/15
25		15/15	15/15	14/15	15/15
50		14/15	13/15	13/15	14/15
100		14/15	14/15	14/15	15/15

CETIS Analytical Report

Report Date: 17 Dec-14 11:51 (p 1 of 4)
 Test Code: VCF1114.004 | 06-4816-9771

Fathead Minnow 7-d Larval Survival and Growth Test Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 02-7906-2530	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7
Analyzed: 13 Nov-14 14:05	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 15-6426-5284	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 01 Nov-14 13:15	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 11h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 14-8981-7250	Code: VCF1114.004	Client: VCWPD
Sample Date: 01 Nov-14 01:40	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 12h (9.4 °C)	Station: MO-OJA	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Angular (Corrected)	NA	C > T	NA	NA	5.25%	100	>100	NA	1

Dunnett Multiple Comparison Test

Control	vs	C-%	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		6.25	-0.7765	2.407	0.102	6	0.9690	CDF	Non-Significant Effect
		12.5	0	2.407	0.102	6	0.8333	CDF	Non-Significant Effect
		25	0	2.407	0.102	6	0.8333	CDF	Non-Significant Effect
		50*	3.658	2.407	0.102	6	0.0038	CDF	Significant Effect
		100	1.553	2.407	0.102	6	0.2114	CDF	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.9833	0.8 - NL	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.09432529	0.01886506	5	5.247	0.0038	Significant Effect
Error	0.0647186	0.003595478	18			
Total	0.1590439		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Mod Levene Equality of Variance	0.4473	4.248	0.8097	Equal Variances
Variances	Levene Equality of Variance	2.421	4.248	0.0760	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9061	0.884	0.0290	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.2326	0.2056	0.0017	Non-normal Distribution
Distribution	D'Agostino Skewness	1.191	2.576	0.2335	Normal Distribution
Distribution	D'Agostino Kurtosis	0.2005	2.576	0.8411	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	1.46	9.21	0.4820	Normal Distribution
Distribution	Anderson-Darling A2 Normality	1.158	3.878	0.0050	Non-normal Distribution

7d Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	0.9833	0.9303	1	1	0.9333	1	0.01667	3.39%	0.0%
6.25		4	1	1	1	1	1	1	0	0.0%	-1.7%
12.5		4	0.9833	0.9303	1	1	0.9333	1	0.01667	3.39%	0.0%
25		4	0.9833	0.9303	1	1	0.9333	1	0.01667	3.39%	0.0%
50		4	0.9	0.8388	0.9612	0.9	0.8667	0.9333	0.01925	4.28%	8.48%
100		4	0.95	0.897	1	0.9333	0.9333	1	0.01667	3.51%	3.39%

CETIS Analytical Report

Report Date: 17 Dec-14 11:51 (p 3 of 4)
 Test Code: VCF1114.004 | 06-4816-9771

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID:	20-8554-3486	Endpoint:	Mean Dry Biomass-mg	CETIS Version:	CETISv1.8.7		
Analyzed:	13 Nov-14 14:05	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes		
Batch ID:	15-6426-5284	Test Type:	Growth-Survival (7d)	Analyst:			
Start Date:	01 Nov-14 13:15	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water		
Ending Date:	08 Nov-14	Species:	Pimephales promelas	Brine:	Not Applicable		
Duration:	6d 11h	Source:	Aquatic Biosystems, CO	Age:			
Sample ID:	14-8981-7250	Code:	VCF1114.004	Client:	VCWPD		
Sample Date:	01 Nov-14 01:40	Material:	Sample Water	Project:			
Receive Date:	01 Nov-14 05:11	Source:	Bioassay Report				
Sample Age:	12h (9.4 °C)	Station:	MO-OJA				

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	14.1%	100	>100	NA	1

Dunnett Multiple Comparison Test

Control	vs	C-%	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		6.25	-5.396	2.407	0.041	6	1.0000	CDF	Non-Significant Effect
		12.5	-5.465	2.407	0.041	6	1.0000	CDF	Non-Significant Effect
		25	-3.402	2.407	0.041	6	1.0000	CDF	Non-Significant Effect
		50	-2.659	2.407	0.041	6	0.9999	CDF	Non-Significant Effect
		100	-2.454	2.407	0.041	6	0.9998	CDF	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.2918	0.25 - NL	Yes	Passes Acceptability Criteria
PMSD	0.1406	0.12 - 0.3	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.02450593	0.004901186	5	8.431	0.0003	Significant Effect
Error	0.01046356	0.0005813087	18			
Total	0.03496949		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	1.166	15.09	0.9481	Equal Variances
Variances	Mod Levene Equality of Variance	0.5739	4.248	0.7193	Equal Variances
Variances	Levene Equality of Variance	0.6392	4.248	0.6728	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9633	0.884	0.5091	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.1267	0.2056	0.4052	Normal Distribution
Distribution	D'Agostino Skewness	0.01078	2.576	0.9914	Normal Distribution
Distribution	D'Agostino Kurtosis	1.615	2.576	0.1063	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	2.609	9.21	0.2714	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.327	3.878	0.5356	Normal Distribution

Mean Dry Biomass-mg Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	0.2918	0.2555	0.3282	0.2903	0.2687	0.318	0.01142	7.82%	0.0%
6.25		4	0.3838	0.3317	0.436	0.3843	0.3467	0.42	0.01639	8.54%	-31.52%
12.5		4	0.385	0.3549	0.4151	0.383	0.368	0.406	0.009469	4.92%	-31.92%
25		4	0.3498	0.3143	0.3854	0.352	0.3207	0.3747	0.01118	6.39%	-19.87%
50		4	0.3372	0.2964	0.3779	0.333	0.3107	0.372	0.01281	7.6%	-15.53%
100		4	0.3337	0.3027	0.3646	0.3397	0.306	0.3493	0.009716	5.82%	-14.33%

CETIS Analytical Report

Report Date: 17 Dec-14 11:51 (p 2 of 4)
 Test Code: VCF1114.004 | 06-4816-9771

Fathead Minnow 7-d Larval Survival and Growth Test		Aquatic Bioassay & Consulting Labs, Inc.	
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Analysis ID: 03-7559-5529	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7
Analyzed: 13 Nov-14 14:05	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes

CETIS Measurement Report

Report Date: 17 Dec-14 11:51 (p 1 of 2)
 Test Code: VCF1114.004 | 06-4816-9771

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 15-6426-5284	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 01 Nov-14 13:15	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 11h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 14-8981-7250	Code: VCF1114.004	Client: VCWPD
Sample Date: 01 Nov-14 01:40	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 12h (9.4 °C)	Station: MO-OJA	

Alkalinity (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	67	67	67	67	67	0	0	0.0%	0
100		8	81	81	81	81	81	0	0	0.0%	0
Overall		16	74			67	81				0 (0%)

Conductivity-µmhos

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	332.6	329.2	336.1	328	340	1.463	4.138	1.24%	0
6.25		8	331	324.9	337.1	317	339	2.591	7.329	2.21%	0
12.5		8	338.8	332.6	344.9	325	345	2.617	7.402	2.19%	0
25		8	357.3	352	362.5	342	361	2.21	6.251	1.75%	0
50		8	387.3	383.9	390.6	381	391	1.424	4.027	1.04%	0
100		8	452.3	444.1	460.4	433	465	3.432	9.706	2.15%	0
Overall		48	366.5			317	465				0 (0%)

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.888	7.641	8.134	7.6	8.3	0.1043	0.2949	3.74%	0
6.25		8	7.638	7.348	7.927	7.2	8.2	0.1224	0.3462	4.53%	0
12.5		8	7.475	6.976	7.974	6.3	8.3	0.2111	0.597	7.99%	0
25		8	7.275	6.737	7.813	6	8.3	0.2274	0.6431	8.84%	0
50		8	7.063	6.281	7.844	5.4	8.4	0.3306	0.9349	13.24%	0
100		8	6.275	5.021	7.529	4.6	8.8	0.5304	1.5	23.91%	0
Overall		48	7.269			4.6	8.8				0 (0%)

Hardness (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	82.75	78.49	87.01	80	91	1.8	5.092	6.15%	0
100		8	113	113	113	113	113	0	0	0.0%	0
Overall		16	97.88			80	113				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.913	7.768	8.057	7.7	8.2	0.06106	0.1727	2.18%	0
6.25		8	7.675	7.481	7.869	7.3	8.1	0.08183	0.2315	3.02%	0
12.5		8	7.663	7.458	7.867	7.3	8.1	0.08647	0.2446	3.19%	0
25		8	7.6	7.39	7.81	7.3	8.1	0.08864	0.2507	3.3%	0
50		8	7.5	7.286	7.714	7.3	8	0.09063	0.2563	3.42%	0
100		8	7.325	7.09	7.56	6.9	7.8	0.09955	0.2816	3.84%	0
Overall		48	7.613			6.9	8.2				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:51 (p 2 of 2)
 Test Code: VCF1114.004 | 06-4816-9771

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.23	23.99	24.46	24	24.8	0.09774	0.2765	1.14%	0
6.25		8	24.31	24.06	24.57	24	24.8	0.1076	0.3045	1.25%	0
12.5		8	24.33	24.08	24.57	24	24.8	0.1031	0.2916	1.2%	0
25		8	24.34	24.09	24.58	24	24.8	0.1034	0.2925	1.2%	0
50		8	24.3	24	24.6	24	24.8	0.1268	0.3586	1.48%	0
100		8	24.38	23.92	24.83	24	25.5	0.1916	0.5418	2.22%	0
Overall		48	24.31			24	25.5				0 (0%)

Alkalinity (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	67	67	67	67	67	67	67	67
100		81	81	81	81	81	81	81	81

Conductivity-µmhos

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	340	334	331	337	332	328	329	330
6.25		336	317	339	336	335	324	331	330
12.5		345	325	338	342	345	330	343	342
25		342	358	361	360	360	359	360	358
50		381	381	389	387	390	389	391	390
100		452	447	433	454	452	453	462	465

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	8	8.2	7.6	7.7	7.6	8.3	7.6	8.1
6.25		8.2	8	7.6	7.7	7.6	7.6	7.2	7.2
12.5		8.3	7.9	7.7	6.3	7.6	7.6	7.3	7.1
25		8.3	7.5	7.6	6	7.3	7.3	7.1	7.1
50		8.4	6.1	7.7	5.4	7.4	7.4	7	7.1
100		8.8	4.6	7.3	4.8	4.7	6.2	6.7	7.1

Hardness (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	91	91	80	80	80	80	80	80
100		113	113	113	113	113	113	113	113

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	8.1	8	7.8	8.2	7.8	7.8	7.7	7.9
6.25		8.1	7.7	7.8	7.5	7.7	7.3	7.6	7.7
12.5		8.1	7.6	7.9	7.5	7.6	7.3	7.6	7.7
25		8.1	7.5	7.8	7.4	7.5	7.3	7.6	7.6
50		8	7.3	7.7	7.3	7.3	7.3	7.6	7.5
100		7.8	6.9	7.5	7.1	7.2	7.2	7.5	7.4

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	24.3	24.4	24.2	24	24.1	24	24.8	24
6.25		24.3	24.6	24.5	24	24.3	24	24.8	24
12.5		24.6	24.3	24.5	24.1	24.3	24	24.8	24
25		24.7	24.2	24.4	24.3	24.3	24	24.8	24
50		24.8	24	24	24.5	24.3	24	24.8	24
100		25.5	24	24	24.5	24.2	24	24.8	24



December 17, 2014

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* EPA-821-R-02-013. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:

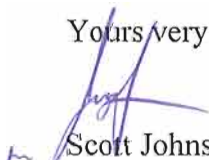
CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-MEI
DATE RECEIVED:	11/1/2014
ABC LAB. NO.:	VCF1114.005

CHRONIC FATHEAD MINNOW SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TU _c =	1.00
	EC25 =	>100.00 %
	EC50 =	>100.00 %

BIOMASS	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 11:52 (p 1 of 2)

Test Code: VCF1114.005 | 20-0289-5564

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 09-9906-3727	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 01 Nov-14 13:25	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 11h	Source: Aquatic Biosystems, CO	Age:

Sample ID: 17-8749-0280	Code: VCF1114.005	Client: VCWPD
Sample Date: 01 Nov-14 00:55	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 13h	Station: MO-MEI	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
00-2689-6535	7d Survival Rate	100	>100	NA	9.06%	1	Dunnnett Multiple Comparison Test
15-4133-3038	Mean Dry Biomass-mg	100	>100	NA	13.9%	1	Dunnnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
18-3898-4183	7d Survival Rate	EC5	21.72	6.885	N/A	4.604	Linear Interpolation (ICPIN)
		EC10	>100	N/A	N/A	<1	
		EC15	>100	N/A	N/A	<1	
		EC20	>100	N/A	N/A	<1	
		EC25	>100	N/A	N/A	<1	
		EC40	>100	N/A	N/A	<1	
10-1037-6503	Mean Dry Biomass-mg	IC5	54.25	26.7	75.19	1.843	Linear Interpolation (ICPIN)
		IC10	71.82	47.99	96.13	1.392	
		IC15	89.39	65.03	N/A	1.119	
		IC20	>100	N/A	N/A	<1	
		IC25	>100	N/A	N/A	<1	
		IC40	>100	N/A	N/A	<1	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
00-2689-6535	7d Survival Rate	Control Resp	0.9833	0.8 - NL	Yes	Passes Acceptability Criteria
18-3898-4183	7d Survival Rate	Control Resp	0.9833	0.8 - NL	Yes	Passes Acceptability Criteria
10-1037-6503	Mean Dry Biomass-mg	Control Resp	0.2918	0.25 - NL	Yes	Passes Acceptability Criteria
15-4133-3038	Mean Dry Biomass-mg	Control Resp	0.2918	0.25 - NL	Yes	Passes Acceptability Criteria
15-4133-3038	Mean Dry Biomass-mg	PMSD	0.1392	0.12 - 0.3	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	4	0.9833	0.9303	1	0.9333	1	0.01667	0.03333	3.39%	0.0%
6.25		4	1	1	1	1	1	0	0	0.0%	-1.7%
12.5		4	0.9667	0.9054	1	0.9333	1	0.01925	0.03849	3.98%	1.7%
25		4	0.9333	0.8108	1	0.8667	1	0.03849	0.07698	8.25%	5.09%
50		4	0.9333	0.8467	1	0.8667	1	0.02722	0.05443	5.83%	5.09%
100		4	0.9167	0.7832	1	0.8	1	0.04194	0.08389	9.15%	6.78%

Mean Dry Biomass-mg Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	4	0.2918	0.2555	0.3282	0.2687	0.318	0.01142	0.02283	7.82%	0.0%
6.25		4	0.352	0.3297	0.3743	0.338	0.3713	0.006997	0.01399	3.98%	-20.62%
12.5		4	0.354	0.2964	0.4116	0.3267	0.4053	0.01809	0.03618	10.22%	-21.3%
25		4	0.3472	0.3038	0.3906	0.318	0.3833	0.01364	0.02728	7.86%	-18.96%
50		4	0.3235	0.2983	0.3487	0.3067	0.3373	0.007913	0.01583	4.89%	-10.85%
100		4	0.2757	0.244	0.3073	0.2547	0.302	0.009942	0.01988	7.21%	5.54%

CETIS Summary Report

Report Date: 17 Dec-14 11:52 (p 2 of 2)
 Test Code: VCF1114.005 | 20-0289-5564

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Contro	1	1	1	0.9333
6.25		1	1	1	1
12.5		0.9333	0.9333	1	1
25		1	0.8667	1	0.8667
50		0.9333	0.8667	0.9333	1
100		1	0.9333	0.9333	0.8

Mean Dry Biomass-mg Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Contro	0.3033	0.2687	0.318	0.2773
6.25		0.3713	0.3507	0.348	0.338
12.5		0.3533	0.3267	0.3307	0.4053
25		0.3487	0.3387	0.3833	0.318
50		0.3373	0.3367	0.3133	0.3067
100		0.302	0.2547	0.2773	0.2687

7d Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Contro	15/15	15/15	15/15	14/15
6.25		15/15	15/15	15/15	15/15
12.5		14/15	14/15	15/15	15/15
25		15/15	13/15	15/15	13/15
50		14/15	13/15	14/15	15/15
100		15/15	14/15	14/15	12/15

CETIS Analytical Report

Report Date: 17 Dec-14 11:51 (p 4 of 4)
Test Code: VCF1114.005 | 20-0289-5564

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 15-4133-3038 Endpoint: Mean Dry Biomass-mg CETIS Version: CETISv1.8.7
Analyzed: 13 Nov-14 14:08 Analysis: Parametric-Control vs Treatments Official Results: Yes

Mean Dry Biomass-mg Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	0.3033	0.2687	0.318	0.2773
6.25		0.3713	0.3507	0.348	0.338
12.5		0.3533	0.3267	0.3307	0.4053
25		0.3487	0.3387	0.3833	0.318
50		0.3373	0.3367	0.3133	0.3067
100		0.302	0.2547	0.2773	0.2687

CETIS Analytical Report

Report Date: 17 Dec-14 11:52 (p 3 of 4)

Test Code: VCF1114.005 | 20-0289-5564

Fathead Minnow 7-d Larval Survival and Growth Test			Aquatic Bioassay & Consulting Labs, Inc.		
Analysis ID: 10-1037-6503	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7			
Analyzed: 13 Nov-14 14:08	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes			
Batch ID: 09-9906-3727	Test Type: Growth-Survival (7d)	Analyst:			
Start Date: 01 Nov-14 13:25	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water			
Ending Date: 08 Nov-14	Species: Pimephales promelas	Brine: Not Applicable			
Duration: 6d 11h	Source: Aquatic Biosystems, CO	Age:			
Sample ID: 17-8749-0280	Code: VCF1114.005	Client: VCWPD			
Sample Date: 01 Nov-14 00:55	Material: Sample Water	Project:			
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report				
Sample Age: 13h	Station: MO-MEI				

Linear Interpolation Options					
X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	1818106	280	Yes	Two-Point Interpolation

Test Acceptability Criteria				
Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.2918	0.25 - NL	Yes	Passes Acceptability Criteria

Point Estimates						
Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	54.25	26.7	75.19	1.843	1.33	3.745
IC10	71.82	47.99	96.13	1.392	1.04	2.084
IC15	89.39	65.03	N/A	1.119	NA	1.538
IC20	>100	N/A	N/A	<1	NA	NA
IC25	>100	N/A	N/A	<1	NA	NA
IC40	>100	N/A	N/A	<1	NA	NA
IC50	>100	N/A	N/A	<1	NA	NA

Mean Dry Biomass-mg Summary			Calculated Variate						
C-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Control	4	0.2918	0.2687	0.318	0.01142	0.02283	7.82%	0.0%
6.25		4	0.352	0.338	0.3713	0.006997	0.01399	3.98%	-20.62%
12.5		4	0.354	0.3267	0.4053	0.01809	0.03618	10.22%	-21.3%
25		4	0.3472	0.318	0.3833	0.01364	0.02728	7.86%	-18.96%
50		4	0.3235	0.3067	0.3373	0.007913	0.01583	4.89%	-10.85%
100		4	0.2757	0.2547	0.302	0.009942	0.01988	7.21%	5.54%

Mean Dry Biomass-mg Detail					
C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	0.3033	0.2687	0.318	0.2773
6.25		0.3713	0.3507	0.348	0.338
12.5		0.3533	0.3267	0.3307	0.4053
25		0.3487	0.3387	0.3833	0.318
50		0.3373	0.3367	0.3133	0.3067
100		0.302	0.2547	0.2773	0.2687

CETIS Measurement Report

Report Date: 17 Dec-14 11:52 (p 1 of 2)

Test Code: VCF1114.005 | 20-0289-5564

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 09-9906-3727	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 01 Nov-14 13:25	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 11h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 17-8749-0280	Code: VCF1114.005	Client: VCWPD
Sample Date: 01 Nov-14 00:55	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 13h	Station: MO-MEI	

Alkalinity (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	67	67	67	67	67	0	0	0.0%	0
100		8	57	57	57	57	57	0	0	0.0%	0
Overall		16	62			57	67				0 (0%)

Conductivity-µmhos

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	332.6	329.2	336.1	328	340	1.463	4.138	1.24%	0
6.25		8	322.8	320.5	325	319	328	0.959	2.712	0.84%	0
12.5		8	313.5	311.7	315.3	311	317	0.7559	2.138	0.68%	0
25		8	293.4	288	298.8	278	298	2.291	6.479	2.21%	0
50		8	260.8	256	265.5	252	267	2.007	5.676	2.18%	0
100		8	190.6	188.1	193.2	186	196	1.068	3.021	1.59%	0
Overall		48	285.6			186	340				0 (0%)

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.888	7.641	8.134	7.6	8.3	0.1043	0.2949	3.74%	0
6.25		8	7.575	7.247	7.903	7	8.2	0.1386	0.3919	5.17%	0
12.5		8	7.513	7.159	7.866	6.7	8.1	0.1493	0.4224	5.62%	0
25		8	7.288	6.727	7.848	5.8	8.1	0.2371	0.6707	9.2%	0
50		8	6.7	5.817	7.583	5	8.1	0.3732	1.056	15.76%	0
100		8	5.638	4.189	7.086	4	8.4	0.6126	1.733	30.74%	0
Overall		48	7.1			4	8.4				0 (0%)

Hardness (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	82.75	78.49	87.01	80	91	1.8	5.092	6.15%	0
100		8	60	60	60	60	60	0	0	0.0%	0
Overall		16	71.38			60	91				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.913	7.768	8.057	7.7	8.2	0.06106	0.1727	2.18%	0
6.25		8	7.638	7.477	7.798	7.4	8	0.06797	0.1923	2.52%	0
12.5		8	7.575	7.387	7.763	7.3	8	0.07962	0.2252	2.97%	0
25		8	7.488	7.262	7.713	7.2	8	0.09531	0.2696	3.6%	0
50		8	7.338	7.085	7.59	7	7.8	0.1068	0.3021	4.12%	0
100		8	7.063	6.719	7.406	6.5	7.7	0.1451	0.4104	5.81%	0
Overall		48	7.502			6.5	8.2				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:52 (p 2 of 2)
 Test Code: VCF1114.005 | 20-0289-5564

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.29	24.03	24.55	24	24.8	0.1109	0.3137	1.29%	0
6.25		8	24.31	24.05	24.58	24	24.8	0.1125	0.3182	1.31%	0
12.5		8	24.29	24.06	24.52	24	24.8	0.09717	0.2748	1.13%	0
25		8	24.26	24.04	24.48	24	24.8	0.09246	0.2615	1.08%	0
50		8	24.26	24.03	24.49	24	24.8	0.09809	0.2774	1.14%	0
100		8	24.29	24.01	24.56	24	24.8	0.1156	0.3271	1.35%	0
Overall		48	24.28			24	24.8				0 (0%)

Alkalinity (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	67	67	67	67	67	67	67	67
100		57	57	57	57	57	57	57	57

Conductivity-µmhos

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	340	334	331	337	332	328	329	330
6.25		322	323	319	320	323	324	323	328
12.5		315	314	312	311	311	313	315	317
25		297	295	295	297	278	295	292	298
50		265	259	261	252	253	264	265	267
100		196	188	191	191	186	190	190	193

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	8	8.2	7.6	7.7	7.6	8.3	7.6	8.1
6.25		8.2	8	7.7	7	7.6	7.3	7.3	7.5
12.5		8.1	7.9	7.7	6.7	7.5	7.3	7.5	7.4
25		8.1	7.3	7.2	5.8	7.5	7.7	7.5	7.2
50		8.1	5.8	6.5	5	7.5	6	7.6	7.1
100		8.4	4.9	4	4.3	4.8	4.2	7.7	6.8

Hardness (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	91	91	80	80	80	80	80	80
100		60	60	60	60	60	60	60	60

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	8.1	8	7.8	8.2	7.8	7.8	7.7	7.9
6.25		8	7.7	7.6	7.4	7.6	7.4	7.7	7.7
12.5		8	7.5	7.6	7.3	7.6	7.3	7.7	7.6
25		8	7.3	7.5	7.2	7.5	7.2	7.7	7.5
50		7.8	7	7.3	7	7.4	7.1	7.7	7.4
100		7.5	6.5	6.8	6.7	7.2	6.9	7.7	7.2

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	24.5	24.3	24.6	24	24.1	24	24.8	24
6.25		24.5	24.7	24.3	24.1	24.1	24	24.8	24
12.5		24.4	24.5	24.1	24.3	24.2	24	24.8	24
25		24.4	24.3	24.1	24.3	24.2	24	24.8	24
50		24.3	24	24.4	24.4	24.2	24	24.8	24
100		24.6	24	24.4	24.5	24	24	24.8	24



December 17, 2014

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*" EPA-821-R-02-013. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:

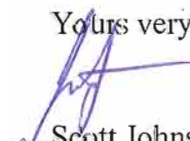
CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-OXN
DATE RECEIVED:	11/1/2014
ABC LAB. NO.:	VCF1114.007

CHRONIC FATHEAD MINNOW SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC =	50.00 %
	TU _c =	2.00
	EC25 =	>100.00 %
	EC50 =	>100.00 %

BIOMASS	NOEC =	50.00 %
	TU _c =	2.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 11:52 (p 1 of 2)

Test Code: VCF1114.007 | 07-1866-8437

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Batch ID:	11-4896-7907	Test Type:	Growth-Survival (7d)	Analyst:			
Start Date:	01 Nov-14 13:38	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water		
Ending Date:	08 Nov-14	Species:	Pimephales promelas	Brine:	Not Applicable		
Duration:	6d 10h	Source:	Aquatic Biosystems, CO	Age:			
Sample ID:	03-6242-2089	Code:	VCF1114.007	Client:	VCWPD		
Sample Date:	31 Oct-14 23:25	Material:	Sample Water	Project:			
Receive Date:	01 Nov-14 05:11	Source:	Bioassay Report				
Sample Age:	14h (8.2 °C)	Station:	MO-OXN				

Comparison Summary							
Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
03-9730-8287	7d Survival Rate	50	100	70.71	6.46%	2	Dunnett Multiple Comparison Test
03-0411-2232	Mean Dry Biomass-mg	50	100	70.71	15.2%	2	Dunnett Multiple Comparison Test

Point Estimate Summary							
Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
06-2468-9147	7d Survival Rate	EC5	53.96	20.79	101	1.853	Linear Interpolation (ICPIN)
		EC10	91.25	37.25	N/A	1.096	
		EC15	>100	N/A	N/A	<1	
		EC20	>100	N/A	N/A	<1	
		EC25	>100	N/A	N/A	<1	
		EC40	>100	N/A	N/A	<1	
18-6619-3259	Mean Dry Biomass-mg	IC5	50.39	N/A	83.09	1.985	Linear Interpolation (ICPIN)
		IC10	72.16	13.23	115.9	1.386	
		IC15	93.94	43.94	N/A	1.064	
		IC20	>100	N/A	N/A	<1	
		IC25	>100	N/A	N/A	<1	
		IC40	>100	N/A	N/A	<1	

Test Acceptability							
Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision	
03-9730-8287	7d Survival Rate	Control Resp	0.9833	0.8 - NL	Yes	Passes Acceptability Criteria	
06-2468-9147	7d Survival Rate	Control Resp	0.9833	0.8 - NL	Yes	Passes Acceptability Criteria	
03-0411-2232	Mean Dry Biomass-mg	Control Resp	0.2918	0.25 - NL	Yes	Passes Acceptability Criteria	
18-6619-3259	Mean Dry Biomass-mg	Control Resp	0.2918	0.25 - NL	Yes	Passes Acceptability Criteria	
03-0411-2232	Mean Dry Biomass-mg	PMSD	0.1519	0.12 - 0.3	Yes	Passes Acceptability Criteria	

7d Survival Rate Summary											
C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	4	0.9833	0.9303	1	0.9333	1	0.01667	0.03333	3.39%	0.0%
6.25		4	1	1	1	1	1	0	0	0.0%	-1.7%
12.5		4	1	1	1	1	1	0	0	0.0%	-1.7%
25		4	0.9833	0.9303	1	0.9333	1	0.01667	0.03333	3.39%	0.0%
50		4	0.95	0.8484	1	0.8667	1	0.03191	0.06383	6.72%	3.39%
100		4	0.8833	0.7818	0.9849	0.8	0.9333	0.03191	0.06383	7.23%	10.17%

Mean Dry Biomass-mg Summary											
C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	4	0.2918	0.2555	0.3282	0.2687	0.318	0.01142	0.02283	7.82%	0.0%
6.25		4	0.2505	0.1765	0.3245	0.2007	0.3113	0.02325	0.0465	18.56%	14.16%
12.5		4	0.3077	0.2706	0.3447	0.288	0.3393	0.01163	0.02326	7.56%	-5.43%
25		4	0.2988	0.2848	0.3128	0.288	0.306	0.0044	0.0088	2.95%	-2.4%
50		4	0.2775	0.2398	0.3152	0.256	0.2987	0.01185	0.02369	8.54%	4.91%
100		4	0.244	0.2211	0.2669	0.234	0.2653	0.007185	0.01437	5.89%	16.39%

CETIS Analytical Report

Report Date: 17 Dec-14 11:52 (p 2 of 4)
 Test Code: VCF1114.007 | 07-1866-8437

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 03-9730-8287 Endpoint: 7d Survival Rate CETIS Version: CETISv1.8.7
 Analyzed: 13 Nov-14 14:21 Analysis: Parametric-Control vs Treatments Official Results: Yes

Angular (Corrected) Transformed Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Contr	4	1.408	1.304	1.513	1.441	1.31	1.441	0.03292	4.68%	0.0%
6.25		4	1.441	1.441	1.442	1.441	1.441	1.441	0	0.0%	-2.34%
12.5		4	1.441	1.441	1.442	1.441	1.441	1.441	0	0.0%	-2.34%
25		4	1.408	1.304	1.513	1.441	1.31	1.441	0.03292	4.68%	0.0%
50		4	1.347	1.16	1.535	1.375	1.197	1.441	0.05894	8.75%	4.34%
100		4	1.231	1.075	1.387	1.253	1.107	1.31	0.04904	7.97%	12.61%

7d Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	1	1	1	0.9333
6.25		1	1	1	1
12.5		1	1	1	1
25		1	0.9333	1	1
50		0.9333	0.8667	1	1
100		0.8667	0.9333	0.8	0.9333

Angular (Corrected) Transformed Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	1.441	1.441	1.441	1.31
6.25		1.441	1.441	1.441	1.441
12.5		1.441	1.441	1.441	1.441
25		1.441	1.31	1.441	1.441
50		1.31	1.197	1.441	1.441
100		1.197	1.31	1.107	1.31

7d Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Contro	15/15	15/15	15/15	14/15
6.25		15/15	15/15	15/15	15/15
12.5		15/15	15/15	15/15	15/15
25		15/15	14/15	15/15	15/15
50		14/15	13/15	15/15	15/15
100		13/15	14/15	12/15	14/15

CETIS Analytical Report

Report Date: 17 Dec-14 11:52 (p 3 of 4)
 Test Code: VCF1114.007 | 07-1866-8437

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 03-0411-2232	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7
Analyzed: 13 Nov-14 14:21	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 11-4896-7907	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 01 Nov-14 13:38	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 10h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 03-6242-2089	Code: VCF1114.007	Client: VCWPD
Sample Date: 31 Oct-14 23:25	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 14h (8.2 °C)	Station: MO-OXN	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	15.2%	50	100	70.71	2

Dunnett Multiple Comparison Test

Control	vs	C-%	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		6.25	2.244	2.407	0.044	6	0.0677	CDF	Non-Significant Effect
		12.5	-0.8597	2.407	0.044	6	0.9750	CDF	Non-Significant Effect
		25	-0.3801	2.407	0.044	6	0.9212	CDF	Non-Significant Effect
		50	0.7783	2.407	0.044	6	0.5222	CDF	Non-Significant Effect
		100*	2.597	2.407	0.044	6	0.0347	CDF	Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.2918	0.25 - NL	Yes	Passes Acceptability Criteria
PMSD	0.1519	0.12 - 0.3	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.01366838	0.002733675	5	4.03	0.0125	Significant Effect
Error	0.01220978	0.0006783211	18			
Total	0.02587815		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	7.645	15.09	0.1769	Equal Variances
Variances	Mod Levene Equality of Variance	1.885	4.248	0.1471	Equal Variances
Variances	Levene Equality of Variance	2.066	4.248	0.1174	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9632	0.884	0.5060	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.1157	0.2056	0.5641	Normal Distribution
Distribution	D'Agostino Skewness	1.103	2.576	0.2698	Normal Distribution
Distribution	D'Agostino Kurtosis	1.288	2.576	0.1978	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	2.876	9.21	0.2374	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.4072	3.878	0.3533	Normal Distribution

Mean Dry Biomass-mg Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	0.2918	0.2555	0.3282	0.2903	0.2687	0.318	0.01142	7.82%	0.0%
6.25		4	0.2505	0.1765	0.3245	0.245	0.2007	0.3113	0.02325	18.56%	14.16%
12.5		4	0.3077	0.2706	0.3447	0.3017	0.288	0.3393	0.01163	7.56%	-5.43%
25		4	0.2988	0.2848	0.3128	0.3007	0.288	0.306	0.0044	2.95%	-2.4%
50		4	0.2775	0.2398	0.3152	0.2777	0.256	0.2987	0.01185	8.54%	4.91%
100		4	0.244	0.2211	0.2669	0.2383	0.234	0.2653	0.007185	5.89%	16.39%

CETIS Analytical Report

Report Date: 17 Dec-14 11:52 (p 1 of 4)

Test Code: VCF1114.007 | 07-1866-8437

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 06-2468-9147	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7
Analyzed: 13 Nov-14 14:21	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 11-4896-7907	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 01 Nov-14 13:38	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 10h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 03-6242-2089	Code: VCF1114.007	Client: VCWPD
Sample Date: 31 Oct-14 23:25	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 14h (8.2 °C)	Station: MO-OXN	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.9833	0.8 - NL	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	53.96	20.79	101	1.853	0.9905	4.81
EC10	91.25	37.25	N/A	1.096	NA	2.685
EC15	>100	N/A	N/A	<1	NA	NA
EC20	>100	N/A	N/A	<1	NA	NA
EC25	>100	N/A	N/A	<1	NA	NA
EC40	>100	N/A	N/A	<1	NA	NA
EC50	>100	N/A	N/A	<1	NA	NA

7d Survival Rate Summary

Calculated Variate(A/B)

C-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Negative Control	4	0.9833	0.9333	1	0.01667	0.03333	3.39%	0.0%	59	60
6.25		4	1	1	1	0	0	0.0%	-1.7%	60	60
12.5		4	1	1	1	0	0	0.0%	-1.7%	60	60
25		4	0.9833	0.9333	1	0.01667	0.03333	3.39%	0.0%	59	60
50		4	0.95	0.8667	1	0.03191	0.06383	6.72%	3.39%	57	60
100		4	0.8833	0.8	0.9333	0.03191	0.06383	7.23%	10.17%	53	60

7d Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	1	1	1	0.9333
6.25		1	1	1	1
12.5		1	1	1	1
25		1	0.9333	1	1
50		0.9333	0.8667	1	1
100		0.8667	0.9333	0.8	0.9333

7d Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	15/15	15/15	15/15	14/15
6.25		15/15	15/15	15/15	15/15
12.5		15/15	15/15	15/15	15/15
25		15/15	14/15	15/15	15/15
50		14/15	13/15	15/15	15/15
100		13/15	14/15	12/15	14/15

CETIS Analytical Report

Report Date: 17 Dec-14 11:52 (p 3 of 4)
 Test Code: VCF1114.007 | 07-1866-8437

Fathead Minnow 7-d Larval Survival and Growth Test		Aquatic Bioassay & Consulting Labs, Inc.	
Analysis ID: 18-6619-3259	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7	
Analyzed: 13 Nov-14 14:21	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes	
Batch ID: 11-4896-7907	Test Type: Growth-Survival (7d)	Analyst:	
Start Date: 01 Nov-14 13:38	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water	
Ending Date: 08 Nov-14	Species: Pimephales promelas	Brine: Not Applicable	
Duration: 6d 10h	Source: Aquatic Biosystems, CO	Age:	
Sample ID: 03-6242-2089	Code: VCF1114.007	Client: VCWPD	
Sample Date: 31 Oct-14 23:25	Material: Sample Water	Project:	
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report		
Sample Age: 14h (8.2 °C)	Station: MO-OXN		

Linear Interpolation Options					
X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	54946	280	Yes	Two-Point Interpolation

Test Acceptability Criteria				
Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.2918	0.25 - NL	Yes	Passes Acceptability Criteria

Point Estimates						
Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	50.39	N/A	83.09	1.985	1.204	NA
IC10	72.16	13.23	115.9	1.386	0.8627	7.559
IC15	93.94	43.94	N/A	1.064	NA	2.276
IC20	>100	N/A	N/A	<1	NA	NA
IC25	>100	N/A	N/A	<1	NA	NA
IC40	>100	N/A	N/A	<1	NA	NA
IC50	>100	N/A	N/A	<1	NA	NA

Mean Dry Biomass-mg Summary			Calculated Variate						
C-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Control	4	0.2918	0.2687	0.318	0.01142	0.02283	7.82%	0.0%
6.25		4	0.2505	0.2007	0.3113	0.02325	0.0465	18.56%	14.16%
12.5		4	0.3077	0.288	0.3393	0.01163	0.02326	7.56%	-5.43%
25		4	0.2988	0.288	0.306	0.0044	0.0088	2.95%	-2.4%
50		4	0.2775	0.256	0.2987	0.01185	0.02369	8.54%	4.91%
100		4	0.244	0.234	0.2653	0.007185	0.01437	5.89%	16.39%

Mean Dry Biomass-mg Detail					
C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	0.3033	0.2687	0.318	0.2773
6.25		0.2007	0.234	0.256	0.3113
12.5		0.3393	0.2927	0.3107	0.288
25		0.306	0.2953	0.306	0.288
50		0.2987	0.256	0.2973	0.258
100		0.2387	0.238	0.234	0.2653

CETIS Analytical Report

Report Date: 17 Dec-14 11:52 (p 4 of 4)
Test Code: VCF1114.007 | 07-1866-8437

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 18-6619-3259 Endpoint: Mean Dry Biomass-mg
Analyzed: 13 Nov-14 14:21 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.8.7
Official Results: Yes

CETIS Measurement Report

Report Date: 17 Dec-14 11:52 (p 1 of 3)

Test Code: VCF1114.007 | 07-1866-8437

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 11-4896-7907	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 01 Nov-14 13:38	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 10h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 03-6242-2089	Code: VCF1114.007	Client: VCWPD
Sample Date: 31 Oct-14 23:25	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 14h (8.2 °C)	Station: MO-OXN	

Alkalinity (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	67	67	67	67	67	0	0	0.0%	0
100		8	48	48	48	48	48	0	0	0.0%	0
Overall		16	57.5			48	67				0 (0%)

Conductivity-µmhos

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	332.6	329.2	336.1	328	340	1.463	4.138	1.24%	0
6.25		8	336.1	315.7	356.6	315	388	8.645	24.45	7.27%	0
12.5		8	320.8	298	343.5	300	385	9.617	27.2	8.48%	0
25		8	300.8	281.8	319.7	258	342	8.002	22.63	7.53%	0
50		8	273	267.7	278.3	261	280	2.252	6.37	2.33%	0
100		8	222.6	207.8	237.4	203	254	6.259	17.7	7.95%	0
Overall		48	297.6			203	388				0 (0%)

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.888	7.641	8.134	7.6	8.3	0.1043	0.2949	3.74%	0
6.25		8	7.463	7.029	7.896	6.7	8.2	0.1832	0.5181	6.94%	0
12.5		8	7.413	6.863	7.962	6.1	8.2	0.2326	0.6578	8.87%	0
25		8	7.288	6.723	7.852	6.2	8.2	0.2386	0.6749	9.26%	0
50		8	6.738	5.883	7.592	5.6	8.4	0.3615	1.023	15.18%	0
100		8	5.875	4.358	7.392	4.2	8.8	0.6414	1.814	30.88%	0
Overall		48	7.11			4.2	8.8				0 (0%)

Hardness (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	82.75	78.49	87.01	80	91	1.8	5.092	6.15%	0
100		8	75	75	75	75	75	0	0	0.0%	0
Overall		16	78.88			75	91				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.913	7.768	8.057	7.7	8.2	0.06106	0.1727	2.18%	0
6.25		8	7.6	7.332	7.868	7.1	7.9	0.1134	0.3207	4.22%	0
12.5		8	7.55	7.318	7.782	7.2	8	0.0982	0.2777	3.68%	0
25		8	7.388	7.125	7.65	6.9	8	0.1109	0.3137	4.25%	0
50		8	7.325	7.112	7.538	7	7.8	0.09014	0.255	3.48%	0
100		8	6.988	6.69	7.285	6.4	7.4	0.126	0.3563	5.1%	0
Overall		48	7.46			6.4	8.2				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:52 (p 2 of 3)

Test Code: VCF1114.007 | 07-1866-8437

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.11	23.98	24.25	24	24.5	0.05804	0.1642	0.68%	0
6.25		8	24.11	23.97	24.26	24	24.5	0.06105	0.1727	0.72%	0
12.5		8	24.13	23.99	24.26	24	24.5	0.059	0.1669	0.69%	0
25		8	24.18	23.97	24.38	24	24.7	0.08608	0.2435	1.01%	0
50		8	24.18	23.95	24.4	24	24.8	0.09589	0.2712	1.12%	0
100		8	24.31	23.95	24.67	24	25.3	0.1517	0.4291	1.77%	0
Overall		48	24.17			24	25.3				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:52 (p 3 of 3)
 Test Code: VCF1114.007 | 07-1866-8437

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Alkalinity (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	67	67	67	67	67	67	67	67
6.25									
12.5									
25									
50									
100		48	48	48	48	48	48	48	48

Conductivity-µmhos

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	340	334	331	337	332	328	329	330
6.25		315	388	327	323	323	320	338	355
12.5		309	385	317	328	308	300	309	310
25		306	342	300	303	300	301	296	258
50		271	278	268	261	273	274	279	280
100		211	203	206	254	217	218	237	235

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	8	8.2	7.6	7.7	7.6	8.3	7.6	8.1
6.25		8.2	8.1	7.2	6.7	7.4	7.7	7.4	7
12.5		8.2	7.8	7.5	6.1	7.4	8	7.3	7
25		8.2	7.6	7.4	6.2	7	8.1	7	6.8
50		8.4	6.4	6	5.6	6.5	8.2	6.1	6.7
100		8.8	5.3	4.3	5.1	4.2	8.2	4.4	6.7

Hardness (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	91	91	80	80	80	80	80	80
6.25									
12.5									
25									
50									
100		75	75	75	75	75	75	75	75

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	8.1	8	7.8	8.2	7.8	7.8	7.7	7.9
6.25		7.9	7.7	7.8	7.1	7.4	7.2	7.9	7.8
12.5		8	7.6	7.5	7.3	7.4	7.2	7.5	7.9
25		8	7.4	6.9	7.2	7.3	7.3	7.5	7.5
50		7.8	7.2	7.2	7	7.2	7.2	7.5	7.5
100		7.4	6.4	6.9	6.6	7	7.2	7	7.4

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	24.5	24.1	24.1	24	24.1	24	24.1	24
6.25		24.5	24.1	24	24.1	24	24.2	24	24
12.5		24.5	24.1	24.1	24	24.1	24	24.2	24
25		24.7	24.2	24	24	24.2	24	24.3	24
50		24.8	24.2	24	24	24.2	24	24.2	24
100		25.3	24.3	24	24.3	24	24.2	24	24.4



December 17, 2014

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:


We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to West Coast Estuarine Organisms, EPA/821/R-02-014*. Results were as follows:

CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	ME-CC
DATE RECEIVED:	11/1/2014
ABC LAB. NO.:	VCF1114.001

CHRONIC TOPSMELT SURVIVAL AND GROWTH BIOASSAY

Survival	NOEC =	100.00
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %
Biomass	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,



Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 11:54 (p 1 of 2)
 Test Code: VCF1114.001 | 06-4654-9447

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 01-8252-2473	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 03 Nov-14 11:25	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 10:00	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 17-0109-2221	Code: VCF1114.001	Client: VCWPD
Sample Date: 01 Nov-14 01:20	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 58h (9.4 °C)	Station: ME-CC	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
03-3282-3108	7d Survival Rate	100	>100	NA	9.74%	1	Steel Many-One Rank Sum Test
14-9914-0574	Mean Dry Biomass-mg	100	>100	NA	20.3%	1	Dunnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
10-4897-0467	7d Survival Rate	EC5	>100	N/A	N/A	<1	Linear Interpolation (ICPIN)
		EC10	>100	N/A	N/A	<1	
		EC15	>100	N/A	N/A	<1	
		EC20	>100	N/A	N/A	<1	
		EC25	>100	N/A	N/A	<1	
		EC40	>100	N/A	N/A	<1	
09-7065-4804	Mean Dry Biomass-mg	IC5	>100	N/A	N/A	<1	Linear Interpolation (ICPIN)
		IC10	>100	N/A	N/A	<1	
		IC15	>100	N/A	N/A	<1	
		IC20	>100	N/A	N/A	<1	
		IC25	>100	N/A	N/A	<1	
		IC40	>100	N/A	N/A	<1	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
03-3282-3108	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
10-4897-0467	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
09-7065-4804	Mean Dry Biomass-mg	Control Resp	0.8552	0.85 - NL	Yes	Passes Acceptability Criteria
14-9914-0574	Mean Dry Biomass-mg	Control Resp	0.8552	0.85 - NL	Yes	Passes Acceptability Criteria
03-3282-3108	7d Survival Rate	PMSD	0.09738	NL - 0.25	No	Passes Acceptability Criteria
14-9914-0574	Mean Dry Biomass-mg	PMSD	0.2035	NL - 0.5	No	Passes Acceptability Criteria

7d Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	5	1	1	1	1	1	0	0	0.0%	0.0%
6.25		5	0.96	0.8489	1	0.8	1	0.04	0.08944	9.32%	4.0%
12.5		5	1	1	1	1	1	0	0	0.0%	0.0%
25		5	1	1	1	1	1	0	0	0.0%	0.0%
50		5	0.96	0.8489	1	0.8	1	0.04	0.08944	9.32%	4.0%
100		5	1	1	1	1	1	0	0	0.0%	0.0%

Mean Dry Biomass-mg Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	5	0.8552	0.7721	0.9383	0.78	0.956	0.02992	0.06691	7.82%	0.0%
6.25		5	0.9452	0.8618	1.029	0.884	1.042	0.03004	0.06718	7.11%	-10.52%
12.5		5	0.9744	0.8248	1.124	0.824	1.132	0.05389	0.1205	12.37%	-13.94%
25		5	1.054	0.8539	1.254	0.822	1.234	0.07206	0.1611	15.29%	-23.25%
50		5	1.078	0.8781	1.278	0.838	1.25	0.07198	0.161	14.93%	-26.05%
100		5	1.122	1.025	1.219	1.03	1.228	0.0348	0.07781	6.94%	-31.2%

CETIS Analytical Report

Report Date: 17 Dec-14 11:54 (p 1 of 4)

Test Code: VCF1114.001 | 06-4654-9447

Pacific Topsmelt 7-d Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID: 03-3282-3108	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7		Official Results: Yes			
Analyzed: 13 Nov-14 14:47	Analysis: Nonparametric-Control vs Treatments						
Batch ID: 01-8252-2473	Test Type: Growth-Survival (7d)	Analyst:					
Start Date: 03 Nov-14 11:25	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater					
Ending Date: 10 Nov-14 10:00	Species: Atherinops affinis	Brine: Not Applicable					
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:					
Sample ID: 17-0109-2221	Code: VCF1114.001	Client: VCWPD					
Sample Date: 01 Nov-14 01:20	Material: Sample Water	Project:					
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report						
Sample Age: 58h (9.4 °C)	Station: ME-CC						

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Angular (Corrected)	NA	C > T	NA	NA	9.74%	100	>100	NA	1

Steel Many-One Rank Sum Test									
Control	vs	C-%	Test Stat	Critical	Ties	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		6.25	25	16	1	8	0.6353	Asymp	Non-Significant Effect
		12.5	27.5	16	1	8	0.8333	Asymp	Non-Significant Effect
		25	27.5	16	1	8	0.8333	Asymp	Non-Significant Effect
		50	25	16	1	8	0.6353	Asymp	Non-Significant Effect
		100	27.5	16	1	8	0.8333	Asymp	Non-Significant Effect

Test Acceptability Criteria				
Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
PMSD	0.09738	NL - 0.25	No	Passes Acceptability Criteria

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.01512211	0.003024421	5	0.8	0.5606	Non-Significant Effect
Error	0.09073264	0.003780527	24			
Total	0.1058547		29			

Distributional Tests						
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)	
Variances	Mod Levene Equality of Variance	0.8	4.248	0.5640	Equal Variances	
Variances	Levene Equality of Variance	5.689	3.895	0.0013	Unequal Variances	
Distribution	Shapiro-Wilk W Normality	0.5454	0.9031	<0.0001	Non-normal Distribution	
Distribution	Kolmogorov-Smirnov D	0.4333	0.1853	<0.0001	Non-normal Distribution	
Distribution	D'Agostino Skewness	4.626	2.576	<0.0001	Non-normal Distribution	
Distribution	D'Agostino Kurtosis	3.762	2.576	0.0002	Non-normal Distribution	
Distribution	D'Agostino-Pearson K2 Omnibus	35.55	9.21	<0.0001	Non-normal Distribution	
Distribution	Anderson-Darling A2 Normality	5.866	3.878	<0.0001	Non-normal Distribution	

7d Survival Rate Summary											
C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	5	1	1	1	1	1	1	0	0.0%	0.0%
6.25		5	0.96	0.8489	1	1	0.8	1	0.04	9.32%	4.0%
12.5		5	1	1	1	1	1	1	0	0.0%	0.0%
25		5	1	1	1	1	1	1	0	0.0%	0.0%
50		5	0.96	0.8489	1	1	0.8	1	0.04	9.32%	4.0%
100		5	1	1	1	1	1	1	0	0.0%	0.0%

CETIS Analytical Report

Report Date: 17 Dec-14 11:54 (p 3 of 4)

Test Code: VCF1114.001 | 06-4654-9447

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 14-9914-0574	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7
Analyzed: 13 Nov-14 14:47	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 01-8252-2473	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 03 Nov-14 11:25	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 10:00	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 17-0109-2221	Code: VCF1114.001	Client: VCWPD
Sample Date: 01 Nov-14 01:20	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 58h (9.4 °C)	Station: ME-CC	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	20.3%	100	>100	NA	1

Dunnnett Multiple Comparison Test

Control	vs C-%	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control	6.25	-1.221	2.362	0.174	8	0.9912	CDF	Non-Significant Effect
	12.5	-1.618	2.362	0.174	8	0.9974	CDF	Non-Significant Effect
	25	-2.698	2.362	0.174	8	0.9999	CDF	Non-Significant Effect
	50	-3.024	2.362	0.174	8	1.0000	CDF	Non-Significant Effect
	100	-3.621	2.362	0.174	8	1.0000	CDF	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.8552	0.85 - NL	Yes	Passes Acceptability Criteria
PMSD	0.2035	NL - 0.5	No	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.2418559	0.04837119	5	3.564	0.0150	Significant Effect
Error	0.3257408	0.01357253	24			
Total	0.5675967		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	6.032	15.09	0.3031	Equal Variances
Variances	Mod Levene Equality of Variance	1.294	4.248	0.3098	Equal Variances
Variances	Levene Equality of Variance	1.919	3.895	0.1283	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9622	0.9031	0.3524	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.09397	0.1853	0.7362	Normal Distribution
Distribution	D'Agostino Skewness	0.9144	2.576	0.3605	Normal Distribution
Distribution	D'Agostino Kurtosis	0.2747	2.576	0.7836	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	0.9117	9.21	0.6339	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.399	3.878	0.3690	Normal Distribution

Mean Dry Biomass-mg Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	5	0.8552	0.7721	0.9383	0.83	0.78	0.956	0.02992	7.82%	0.0%
6.25		5	0.9452	0.8618	1.029	0.91	0.884	1.042	0.03004	7.11%	-10.52%
12.5		5	0.9744	0.8248	1.124	0.934	0.824	1.132	0.05389	12.37%	-13.94%
25		5	1.054	0.8539	1.254	1.09	0.822	1.234	0.07206	15.29%	-23.25%
50		5	1.078	0.8781	1.278	1.128	0.838	1.25	0.07198	14.93%	-26.05%
100		5	1.122	1.025	1.219	1.122	1.03	1.228	0.0348	6.94%	-31.2%

CETIS Analytical Report

Report Date: 17 Dec-14 11:54 (p 1 of 4)

Test Code: VCF1114.001 | 06-4654-9447

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 10-4897-0467	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7
Analyzed: 13 Nov-14 14:47	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 01-8252-2473	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 03 Nov-14 11:25	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 10:00	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 17-0109-2221	Code: VCF1114.001	Client: VCWPD
Sample Date: 01 Nov-14 01:20	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 58h (9.4 °C)	Station: ME-CC	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	>100	N/A	N/A	<1	NA	NA
EC10	>100	N/A	N/A	<1	NA	NA
EC15	>100	N/A	N/A	<1	NA	NA
EC20	>100	N/A	N/A	<1	NA	NA
EC25	>100	N/A	N/A	<1	NA	NA
EC40	>100	N/A	N/A	<1	NA	NA
EC50	>100	N/A	N/A	<1	NA	NA

7d Survival Rate Summary

Calculated Variate(A/B)

C-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Negative Control	5	1	1	1	0	0	0.0%	0.0%	25	25
6.25		5	0.96	0.8	1	0.04	0.08944	9.32%	4.0%	24	25
12.5		5	1	1	1	0	0	0.0%	0.0%	25	25
25		5	1	1	1	0	0	0.0%	0.0%	25	25
50		5	0.96	0.8	1	0.04	0.08944	9.32%	4.0%	24	25
100		5	1	1	1	0	0	0.0%	0.0%	25	25

7d Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	1	1	1
6.25		1	1	1	1	0.8
12.5		1	1	1	1	1
25		1	1	1	1	1
50		1	0.8	1	1	1
100		1	1	1	1	1

7d Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	5/5	5/5	5/5	5/5	5/5
6.25		5/5	5/5	5/5	5/5	4/5
12.5		5/5	5/5	5/5	5/5	5/5
25		5/5	5/5	5/5	5/5	5/5
50		5/5	4/5	5/5	5/5	5/5
100		5/5	5/5	5/5	5/5	5/5

CETIS Analytical Report

Report Date: 17 Dec-14 11:54 (p 3 of 4)

Test Code: VCF1114.001 | 06-4654-9447

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 09-7065-4804	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7
Analyzed: 13 Nov-14 14:47	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 01-8252-2473	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 03 Nov-14 11:25	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 10:00	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 17-0109-2221	Code: VCF1114.001	Client: VCWPD
Sample Date: 01 Nov-14 01:20	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 58h (9.4 °C)	Station: ME-CC	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	2116421	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.8552	0.85 - NL	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	>100	N/A	N/A	<1	NA	NA
IC10	>100	N/A	N/A	<1	NA	NA
IC15	>100	N/A	N/A	<1	NA	NA
IC20	>100	N/A	N/A	<1	NA	NA
IC25	>100	N/A	N/A	<1	NA	NA
IC40	>100	N/A	N/A	<1	NA	NA
IC50	>100	N/A	N/A	<1	NA	NA

Mean Dry Biomass-mg Summary

Calculated Variate

C-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Control	5	0.8552	0.78	0.956	0.02992	0.06691	7.82%	0.0%
6.25		5	0.9452	0.884	1.042	0.03004	0.06718	7.11%	-10.52%
12.5		5	0.9744	0.824	1.132	0.05389	0.1205	12.37%	-13.94%
25		5	1.054	0.822	1.234	0.07206	0.1611	15.29%	-23.25%
50		5	1.078	0.838	1.25	0.07198	0.161	14.93%	-26.05%
100		5	1.122	1.03	1.228	0.0348	0.07781	6.94%	-31.2%

Mean Dry Biomass-mg Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	0.78	0.83	0.828	0.956	0.882
6.25		0.988	0.884	1.042	0.902	0.91
12.5		0.824	0.926	0.934	1.132	1.056
25		0.972	1.09	0.822	1.152	1.234
50		1.25	0.838	1.128	1.004	1.17
100		1.162	1.228	1.03	1.068	1.122

CETIS Analytical Report

Report Date: 17 Dec-14 11:54 (p 4 of 4)

Test Code: VCF1114.001 | 06-4654-9447

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 09-7065-4804

Endpoint: Mean Dry Biomass-mg

CETIS Version: CETISv1.8.7

Analyzed: 13 Nov-14 14:47

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

CETIS Measurement Report

Report Date: 17 Dec-14 11:54 (p 1 of 2)
 Test Code: VCF1114.001 | 06-4654-9447

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 01-8252-2473	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 03 Nov-14 11:25	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 10:00	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 17-0109-2221	Code: VCF1114.001	Client: VCWPD
Sample Date: 01 Nov-14 01:20	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 58h (9.4 °C)	Station: ME-CC	

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.075	6.876	7.274	6.7	7.4	0.08398	0.2375	3.36%	0
6.25		8	6.213	5.683	6.742	5.2	7.1	0.224	0.6334	10.2%	0
12.5		8	6.35	5.839	6.861	5.5	7.2	0.2163	0.6118	9.63%	0
25		8	6.313	5.699	6.926	5	7.3	0.2594	0.7338	11.62%	0
50		8	6.213	5.607	6.818	5.2	7.5	0.256	0.724	11.65%	0
100		8	6.075	5.165	6.985	4.1	7.8	0.3849	1.089	17.92%	0
Overall		48	6.373			4.1	7.8				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.613	7.468	7.757	7.4	7.8	0.06106	0.1727	2.27%	0
6.25		8	7.638	7.512	7.763	7.4	7.8	0.05324	0.1506	1.97%	0
12.5		8	7.725	7.585	7.865	7.5	7.9	0.05901	0.1669	2.16%	0
25		8	7.725	7.585	7.865	7.5	7.9	0.05901	0.1669	2.16%	0
50		8	7.725	7.542	7.908	7.5	8.1	0.07734	0.2188	2.83%	0
100		8	7.788	7.553	8.022	7.5	8.3	0.09899	0.28	3.6%	0
Overall		48	7.702			7.4	8.3				0 (0%)

Salinity-ppt

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	25	25	25	25	25	0	0	0.0%	0
6.25		8	25	25	25	25	25	0	0	0.0%	0
12.5		8	25	25	25	25	25	0	0	0.0%	0
25		8	25	25	25	25	25	0	0	0.0%	0
50		8	25	25	25	25	25	0	0	0.0%	0
100		8	25	25	25	25	25	0	0	0.0%	0
Overall		48	25			25	25				0 (0%)

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	21	21	21	21	21	0	0	0.0%	0
6.25		8	21	21	21	21	21	0	0	0.0%	0
12.5		8	21	21	21	21	21	0	0	0.0%	0
25		8	21	21	21	21	21	0	0	0.0%	0
50		8	21	21	21	21	21	0	0	0.0%	0
100		8	21	21	21	21	21	0	0	0.0%	0
Overall		48	21			21	21				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:54 (p 2 of 2)
 Test Code: VCF1114.001 | 06-4654-9447

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	6.9	7.4	7	6.9	7.2	7.3	7.2	6.7
6.25		7.1	6.9	6.5	6.3	5.2	6	6.1	5.6
12.5		7.2	7.1	6.7	6.1	5.5	5.8	6	6.4
25		7.3	6.8	6.7	6.7	5	5.8	5.8	6.4
50		7.5	6.4	6.8	6	5.2	5.7	5.7	6.4
100		7.8	6.7	6.5	6.1	4.1	5.3	5.7	6.4

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.4	7.8	7.6	7.8	7.4	7.5	7.6	7.8
6.25		7.6	7.8	7.6	7.8	7.4	7.5	7.6	7.8
12.5		7.6	7.9	7.6	7.9	7.5	7.8	7.6	7.9
25		7.6	7.9	7.9	7.6	7.9	7.5	7.8	7.6
50		7.6	7.9	7.7	7.9	7.5	7.5	7.6	8.1
100		7.6	8	7.7	8	7.6	7.5	7.6	8.3

Salinity-ppt

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	25	25	25	25	25	25	25	25
6.25		25	25	25	25	25	25	25	25
12.5		25	25	25	25	25	25	25	25
25		25	25	25	25	25	25	25	25
50		25	25	25	25	25	25	25	25
100		25	25	25	25	25	25	25	25

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	21	21	21	21	21	21	21	21
6.25		21	21	21	21	21	21	21	21
12.5		21	21	21	21	21	21	21	21
25		21	21	21	21	21	21	21	21
50		21	21	21	21	21	21	21	21
100		21	21	21	21	21	21	21	21



December 17, 2014

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to West Coast Estuarine Organisms, EPA/821/R-02-014*. Results were as follows:

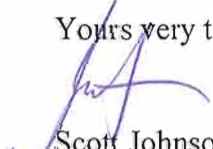
CLIENT: Ventura County Flood Control
SAMPLE I.D.: ME-VR2
DATE RECEIVED: 11/1/2014
ABC LAB. NO.: VCF1114.002

CHRONIC TOPSMELT SURVIVAL AND GROWTH BIOASSAY

Survival NOEC = 100.00
 TUc = 1.00
 IC25 = >100.00 %
 IC50 = >100.00 %

Biomass NOEC = 100.00 %
 TUc = 1.00
 IC25 = >100.00 %
 IC50 = >100.00 %

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 11:55 (p 1 of 2)

Test Code: VCF1114.002 | 02-2203-9285

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 15-9496-2769	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 03 Nov-14 12:35	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 10:40	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 00-5039-6176	Code: VCF1114.002	Client: VCWPD
Sample Date: 01 Nov-14	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 61h (9.4 °C)	Station: ME-VR2	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
01-3183-2505	7d Survival Rate	100	>100	NA	9.1%	1	Steel Many-One Rank Sum Test
20-3041-5353	Mean Dry Biomass-mg	100	>100	NA	18.6%	1	Dunnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
21-1061-1073	7d Survival Rate	EC5	>100	N/A	N/A	<1	Linear Interpolation (ICPIN)
		EC10	>100	N/A	N/A	<1	
		EC15	>100	N/A	N/A	<1	
		EC20	>100	N/A	N/A	<1	
		EC25	>100	N/A	N/A	<1	
		EC40	>100	N/A	N/A	<1	
05-7102-6232	Mean Dry Biomass-mg	IC5	>100	N/A	N/A	<1	Linear Interpolation (ICPIN)
		IC10	>100	N/A	N/A	<1	
		IC15	>100	N/A	N/A	<1	
		IC20	>100	N/A	N/A	<1	
		IC25	>100	N/A	N/A	<1	
		IC40	>100	N/A	N/A	<1	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
01-3183-2505	7d Survival Rate	Control Resp	0.96	0.8 - NL	Yes	Passes Acceptability Criteria
21-1061-1073	7d Survival Rate	Control Resp	0.96	0.8 - NL	Yes	Passes Acceptability Criteria
05-7102-6232	Mean Dry Biomass-mg	Control Resp	1.136	0.85 - NL	Yes	Passes Acceptability Criteria
20-3041-5353	Mean Dry Biomass-mg	Control Resp	1.136	0.85 - NL	Yes	Passes Acceptability Criteria
01-3183-2505	7d Survival Rate	PMSD	0.09104	NL - 0.25	No	Passes Acceptability Criteria
20-3041-5353	Mean Dry Biomass-mg	PMSD	0.1856	NL - 0.5	No	Passes Acceptability Criteria

7d Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	5	0.96	0.8489	1	0.8	1	0.04	0.08944	9.32%	0.0%
6.25		5	1	1	1	1	1	0	0	0.0%	-4.17%
12.5		5	0.96	0.8489	1	0.8	1	0.04	0.08944	9.32%	0.0%
25		5	1	1	1	1	1	0	0	0.0%	-4.17%
50		5	1	1	1	1	1	0	0	0.0%	-4.17%
100		5	1	1	1	1	1	0	0	0.0%	-4.17%

Mean Dry Biomass-mg Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	5	1.136	0.9254	1.347	0.898	1.36	0.07586	0.1696	14.93%	0.0%
6.25		5	0.9772	0.8469	1.107	0.812	1.082	0.04692	0.1049	10.74%	13.98%
12.5		5	1.148	0.9694	1.327	0.98	1.298	0.06447	0.1442	12.55%	-1.09%
25		5	1.235	1.049	1.421	0.99	1.36	0.06704	0.1499	12.14%	-8.73%
50		5	1.132	0.9534	1.311	0.994	1.36	0.06448	0.1442	12.73%	0.32%
100		5	1.226	1.07	1.381	1.112	1.404	0.05605	0.1253	10.23%	-7.89%

CETIS Analytical Report

Report Date: 17 Dec-14 11:55 (p 2 of 4)
 Test Code: VCF1114.002 | 02-2203-9285

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 01-3183-2505 Endpoint: 7d Survival Rate CETIS Version: CETISv1.8.7
 Analyzed: 13 Nov-14 14:50 Analysis: Nonparametric-Control vs Treatments Official Results: Yes

Angular (Corrected) Transformed Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Contr	5	1.298	1.165	1.43	1.345	1.107	1.345	0.04763	8.21%	0.0%
6.25		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.0%	-3.67%
12.5		5	1.298	1.165	1.43	1.345	1.107	1.345	0.04763	8.21%	0.0%
25		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.0%	-3.67%
50		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.0%	-3.67%
100		5	1.345	1.345	1.346	1.345	1.345	1.345	0	0.0%	-3.67%

7d Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	0.8	1	1
6.25		1	1	1	1	1
12.5		1	0.8	1	1	1
25		1	1	1	1	1
50		1	1	1	1	1
100		1	1	1	1	1

Angular (Corrected) Transformed Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1.345	1.345	1.107	1.345	1.345
6.25		1.345	1.345	1.345	1.345	1.345
12.5		1.345	1.107	1.345	1.345	1.345
25		1.345	1.345	1.345	1.345	1.345
50		1.345	1.345	1.345	1.345	1.345
100		1.345	1.345	1.345	1.345	1.345

7d Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	5/5	5/5	4/5	5/5	5/5
6.25		5/5	5/5	5/5	5/5	5/5
12.5		5/5	4/5	5/5	5/5	5/5
25		5/5	5/5	5/5	5/5	5/5
50		5/5	5/5	5/5	5/5	5/5
100		5/5	5/5	5/5	5/5	5/5

CETIS Analytical Report

Report Date: 17 Dec-14 11:55 (p 3 of 4)
 Test Code: VCF1114.002 | 02-2203-9285

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 20-3041-5353	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7
Analyzed: 13 Nov-14 14:50	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 15-9496-2769	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 03 Nov-14 12:35	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 10:40	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 00-5039-6176	Code: VCF1114.002	Client: VCWPD
Sample Date: 01 Nov-14	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 61h (9.4 °C)	Station: ME-VR2	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	18.6%	100	>100	NA	1

Dunnett Multiple Comparison Test

Control	vs C-%	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control	6.25	1.779	2.362	0.211	8	0.1453	CDF	Non-Significant Effect
	12.5	-0.1389	2.362	0.211	8	0.8711	CDF	Non-Significant Effect
	25	-1.111	2.362	0.211	8	0.9878	CDF	Non-Significant Effect
	50	0.04033	2.362	0.211	8	0.8211	CDF	Non-Significant Effect
	100	-1.004	2.362	0.211	8	0.9835	CDF	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1.136	0.85 - NL	Yes	Passes Acceptability Criteria
PMSD	0.1856	NL - 0.5	No	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.2150103	0.04300205	5	2.159	0.0928	Non-Significant Effect
Error	0.4781313	0.01992214	24			
Total	0.6931416		29			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	0.9406	15.09	0.9672	Equal Variances
Variances	Mod Levene Equality of Variance	0.2401	4.248	0.9394	Equal Variances
Variances	Levene Equality of Variance	0.1813	3.895	0.9670	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9792	0.9031	0.8042	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.0736	0.1853	1.0000	Normal Distribution
Distribution	D'Agostino Skewness	0.1693	2.576	0.8656	Normal Distribution
Distribution	D'Agostino Kurtosis	0.8823	2.576	0.3776	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	0.8071	9.21	0.6680	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.1707	3.878	0.9857	Normal Distribution

Mean Dry Biomass-mg Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	5	1.136	0.9254	1.347	1.138	0.898	1.36	0.07586	14.93%	0.0%
6.25		5	0.9772	0.8469	1.107	1.006	0.812	1.082	0.04692	10.74%	13.98%
12.5		5	1.148	0.9694	1.327	1.118	0.98	1.298	0.06447	12.55%	-1.09%
25		5	1.235	1.049	1.421	1.242	0.99	1.36	0.06704	12.14%	-8.73%
50		5	1.132	0.9534	1.311	1.098	0.994	1.36	0.06448	12.73%	0.32%
100		5	1.226	1.07	1.381	1.194	1.112	1.404	0.05605	10.23%	-7.89%

CETIS Analytical Report

Report Date: 17 Dec-14 11:55 (p 4 of 4)

Test Code: VCF1114.002 | 02-2203-9285

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 05-7102-6232
Analyzed: 13 Nov-14 14:50

Endpoint: Mean Dry Biomass-mg
Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.8.7
Official Results: Yes

CETIS Measurement Report

Report Date: 17 Dec-14 11:55 (p 1 of 2)
 Test Code: VCF1114.002 | 02-2203-9285

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 15-9496-2769	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 03 Nov-14 12:35	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 10:40	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 00-5039-6176	Code: VCF1114.002	Client: VCWPD
Sample Date: 01 Nov-14	Material: Sample Water	Project:
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 61h (9.4 °C)	Station: ME-VR2	

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.075	6.876	7.274	6.7	7.4	0.08398	0.2375	3.36%	0
6.25		8	6.538	5.985	7.09	5.6	7.2	0.2337	0.661	10.11%	0
12.5		8	6.625	6.146	7.104	5.9	7.4	0.2024	0.5726	8.64%	0
25		8	6.775	6.296	7.254	5.9	7.4	0.2024	0.5726	8.45%	0
50		8	6.4	5.718	7.082	5.4	7.6	0.2885	0.8159	12.75%	0
100		8	6.175	5.27	7.08	4.3	7.6	0.3825	1.082	17.52%	0
Overall		48	6.598			4.3	7.6				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.625	7.478	7.772	7.4	7.8	0.06196	0.1753	2.3%	0
6.25		8	7.725	7.572	7.878	7.5	8	0.06478	0.1832	2.37%	0
12.5		8	7.738	7.597	7.878	7.6	8	0.05957	0.1685	2.18%	0
25		8	7.75	7.595	7.905	7.6	8	0.06547	0.1852	2.39%	0
50		8	7.8	7.639	7.961	7.6	8.2	0.06814	0.1927	2.47%	0
100		8	7.838	7.619	8.056	7.6	8.4	0.09246	0.2615	3.34%	0
Overall		48	7.746			7.4	8.4				0 (0%)

Salinity-ppt

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	25	25	25	25	25	0	0	0.0%	0
6.25		8	25	25	25	25	25	0	0	0.0%	0
12.5		8	25	25	25	25	25	0	0	0.0%	0
25		8	25	25	25	25	25	0	0	0.0%	0
50		8	25	25	25	25	25	0	0	0.0%	0
100		8	25	25	25	25	25	0	0	0.0%	0
Overall		48	25			25	25				0 (0%)

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	21	21	21	21	21	0	0	0.0%	0
6.25		8	21	21	21	21	21	0	0	0.0%	0
12.5		8	21	21	21	21	21	0	0	0.0%	0
25		8	21	21	21	21	21	0	0	0.0%	0
50		8	21	21	21	21	21	0	0	0.0%	0
100		8	21	21	21	21	21	0	0	0.0%	0
Overall		48	21			21	21				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:55 (p 2 of 2)
 Test Code: VCF1114.002 | 02-2203-9285

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	6.9	7.4	7	6.9	7.2	7.3	7.2	6.7
6.25		7.2	7.1	7.1	6.5	5.7	6.1	7	5.6
12.5		7.3	7.4	7	6.5	5.9	6.1	6.1	6.7
25		7.3	7.4	7	6.5	5.9	6.1	7.3	6.7
50		7.6	7.4	6.9	6.4	5.4	5.8	5.9	5.8
100		7.6	7.4	6.8	6.2	4.3	5.7	5.9	5.5

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.4	7.8	7.6	7.8	7.4	7.5	7.7	7.8
6.25		7.6	8	7.7	7.9	7.6	7.5	7.6	7.9
12.5		7.6	8	7.7	7.9	7.6	7.6	7.6	7.9
25		7.6	8	7.7	7.9	7.6	7.6	7.6	8
50		7.6	7.9	7.7	7.9	7.7	7.7	7.7	8.2
100		7.6	8	7.7	7.9	7.7	7.7	7.7	8.4

Salinity-ppt

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	25	25	25	25	25	25	25	25
6.25		25	25	25	25	25	25	25	25
12.5		25	25	25	25	25	25	25	25
25		25	25	25	25	25	25	25	25
50		25	25	25	25	25	25	25	25
100		25	25	25	25	25	25	25	25

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	21	21	21	21	21	21	21	21
6.25		21	21	21	21	21	21	21	21
12.5		21	21	21	21	21	21	21	21
25		21	21	21	21	21	21	21	21
50		21	21	21	21	21	21	21	21
100		21	21	21	21	21	21	21	21



December 17, 2014

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms EPA-821-R-02-013*. Results were as follows:

CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-MPK
DATE RECEIVED:	11/1/2014
ABC LAB. NO.:	VCF1114.010

CHRONIC SELENASTRUM ALGAE GROWTH BIOASSAY

NOEC =	100.00 %
TUc =	1.00
IC25 =	>100.00 %
IC50 =	>100.00 %

Yours very truly,

Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 11:55 (p 1 of 1)
 Test Code: VCF1114.010 | 00-9190-3718

Selenastrum Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Batch ID:	10-5695-3384	Test Type:	Cell Growth	Analyst:	Joe Freas		
Start Date:	03 Nov-14 11:30	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water		
Ending Date:	07 Nov-14 09:30	Species:	Selenastrum capricornutum	Brine:	Not Applicable		
Duration:	94h	Source:	Aquatic Biosystems, CO	Age:			
Sample ID:	21-0319-4564	Code:	VCF1114.010	Client:	VCWPD		
Sample Date:	01 Nov-14 00:06	Material:	Sample Water	Project:	NPDES Stormwater Wet Season		
Receive Date:	01 Nov-14 05:11	Source:	Bioassay Report				
Sample Age:	59h	Station:	MO-MPK				

Comparison Summary							
Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
12-5577-2213	Cell Density	100	>100	NA	9.14%	1	Dunnett Multiple Comparison Test

Point Estimate Summary							
Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
04-6275-3290	Cell Density	IC5	>100	N/A	N/A	<1	Linear Interpolation (ICPIN)
		IC10	>100	N/A	N/A	<1	
		IC15	>100	N/A	N/A	<1	
		IC20	>100	N/A	N/A	<1	
		IC25	>100	N/A	N/A	<1	
		IC40	>100	N/A	N/A	<1	
		IC50	>100	N/A	N/A	<1	

Test Acceptability						
Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
04-6275-3290	Cell Density	Control CV	0.02841	NL - 0.2	Yes	Passes Acceptability Criteria
12-5577-2213	Cell Density	Control CV	0.02841	NL - 0.2	Yes	Passes Acceptability Criteria
04-6275-3290	Cell Density	Control Resp	1.41E+6	1.00E+6 - NL	Yes	Passes Acceptability Criteria
12-5577-2213	Cell Density	Control Resp	1.41E+6	1.00E+6 - NL	Yes	Passes Acceptability Criteria
12-5577-2213	Cell Density	PMSD	0.09137	0.091 - 0.29	Yes	Passes Acceptability Criteria

Cell Density Summary											
C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	4	1.415E+6	1.351E+6	1.479E+6	1.363E+6	1.461E+6	2.009E+4	4.019E+4	2.84%	0.0%
6.25		4	1.455E+6	1.309E+6	1.601E+6	1.372E+6	1.539E+6	4.582E+4	9.165E+4	6.3%	-2.83%
12.5		4	1.552E+6	1.484E+6	1.620E+6	1.501E+6	1.599E+6	2.134E+4	4.268E+4	2.75%	-9.7%
25		4	1.728E+6	1.584E+6	1.871E+6	1.630E+6	1.845E+6	4.515E+4	9.030E+4	5.23%	-22.12%
50		4	1.895E+6	1.711E+6	2.078E+6	1.747E+6	2.029E+6	5.770E+4	1.154E+5	6.09%	-33.93%
100		4	2.018E+6	1.961E+6	2.075E+6	1.983E+6	2.059E+6	1.801E+4	3.602E+4	1.79%	-42.64%

Cell Density Detail						
C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	
0	Negative Contro	1.461E+6	1.420E+6	1.415E+6	1.363E+6	
6.25		1.372E+6	1.539E+6	1.379E+6	1.529E+6	
12.5		1.536E+6	1.501E+6	1.599E+6	1.572E+6	
25		1.630E+6	1.696E+6	1.845E+6	1.740E+6	
50		1.899E+6	1.904E+6	1.747E+6	2.029E+6	
100		1.993E+6	2.059E+6	1.983E+6	2.037E+6	

CETIS Analytical Report

Report Date: 17 Dec-14 11:55 (p 1 of 2)
 Test Code: VCF1114.010 | 00-9190-3718

Selenastrum Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID:	12-5577-2213	Endpoint:	Cell Density	CETIS Version:	CETISv1.8.7		
Analyzed:	17 Dec-14 11:21	Analysis:	Parametric-Control vs Treatments	Official Results:	Yes		
Batch ID:	10-5695-3384	Test Type:	Cell Growth	Analyst:	Joe Freas		
Start Date:	03 Nov-14 11:30	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water		
Ending Date:	07 Nov-14 09:30	Species:	Selenastrum capricornutum	Brine:	Not Applicable		
Duration:	94h	Source:	Aquatic Biosystems, CO	Age:			
Sample ID:	21-0319-4564	Code:	VCF1114.010	Client:	VCWPD		
Sample Date:	01 Nov-14 00:06	Material:	Sample Water	Project:	NPDES Stormwater Wet Season		
Receive Date:	01 Nov-14 05:11	Source:	Bioassay Report				
Sample Age:	59h	Station:	MO-MPK				

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	9.14%	100	>100	NA	1

Dunnett Multiple Comparison Test									
Control	vs	C-%	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		6.25	-0.7449	2.407	1E+05	6	0.9664	CDF	Non-Significant Effect
		12.5	-2.556	2.407	1E+05	6	0.9998	CDF	Non-Significant Effect
		25	-5.829	2.407	1E+05	6	1.0000	CDF	Non-Significant Effect
		50	-8.938	2.407	1E+05	6	1.0000	CDF	Non-Significant Effect
		100	-11.23	2.407	1E+05	6	1.0000	CDF	Non-Significant Effect

Test Acceptability Criteria				
Attribute	Test Stat	TAC Limits	Overlap	Decision
Control CV	0.02841	NL - 0.2	Yes	Passes Acceptability Criteria
Control Resp	1.41E+6	1.00E+6 - NL	Yes	Passes Acceptability Criteria
PMSD	0.09137	0.091 - 0.29	Yes	Passes Acceptability Criteria

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1.200267E+12	2.400534E+11	5	41.62	<0.0001	Significant Effect
Error	1.03817E+11	5767611000	18			
Total	1.304084E+12		23			

Distributional Tests					
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	6.263	15.09	0.2815	Equal Variances
Variances	Mod Levene Equality of Variance	1.292	4.248	0.3107	Equal Variances
Variances	Levene Equality of Variance	1.418	4.248	0.2650	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9899	0.884	0.9959	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.0913	0.2056	0.9968	Normal Distribution
Distribution	D'Agostino Skewness	0.06982	2.576	0.9443	Normal Distribution
Distribution	D'Agostino Kurtosis	0.3378	2.576	0.7355	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	0.119	9.21	0.9422	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.1618	3.878	0.9941	Normal Distribution

Cell Density Summary											
C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	1.415E+6	1.351E+6	1.479E+6	1418000	1.363E+6	1.461E+6	2.009E+4	2.84%	0.0%
6.25		4	1.455E+6	1.309E+6	1.601E+6	1454000	1.372E+6	1.539E+6	4.582E+4	6.3%	-2.83%
12.5		4	1.552E+6	1.484E+6	1.620E+6	1554000	1.501E+6	1.599E+6	2.134E+4	2.75%	-9.7%
25		4	1.728E+6	1.584E+6	1.871E+6	1718000	1.630E+6	1.845E+6	4.515E+4	5.23%	-22.12%
50		4	1.895E+6	1.711E+6	2.078E+6	1902000	1.747E+6	2.029E+6	5.770E+4	6.09%	-33.93%
100		4	2.018E+6	1.961E+6	2.075E+6	2015000	1.983E+6	2.059E+6	1.801E+4	1.79%	-42.64%

CETIS Measurement Report

Report Date: 17 Dec-14 11:55 (p 1 of 2)

Test Code: VCF1114.010 | 00-9190-3718

Selenastrum Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 10-5695-3384	Test Type: Cell Growth	Analyst: Joe Freas
Start Date: 03 Nov-14 11:30	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 07 Nov-14 09:30	Species: Selenastrum capricornutum	Brine: Not Applicable
Duration: 94h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 21-0319-4564	Code: VCF1114.010	Client: VCWPD
Sample Date: 01 Nov-14 00:06	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 59h	Station: MO-MPK	

Alkalinity (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	1	75			75	75	0	0	0.0%	0
6.25		1	66			66	66	0	0	0.0%	0
12.5		1	68			68	68	0	0	0.0%	0
25		1	76			76	76	0	0	0.0%	0
50		1	78			78	78	0	0	0.0%	0
100		1	58			58	58	0	0	0.0%	0
Overall		6	70.17			58	78				0 (0%)

Conductivity-µmhos

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	5	424.4	419.5	429.3	421	431	1.778	3.975	0.94%	0
6.25		5	429.6	427.9	431.3	428	431	0.6	1.342	0.31%	0
12.5		5	441.8	434.6	449	438	452	2.577	5.762	1.3%	0
25		5	450.4	440.8	460	437	457	3.473	7.765	1.72%	0
50		5	485.6	478.9	492.3	481	494	2.421	5.413	1.12%	0
100		5	546.6	537	556.2	539	555	3.473	7.765	1.42%	0
Overall		30	463.1			421	555				0 (0%)

Hardness (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	1	101			101	101	0	0	0.0%	0
6.25		1	110			110	110	0	0	0.0%	0
12.5		1	116			116	116	0	0	0.0%	0
25		1	110			110	110	0	0	0.0%	0
50		1	121			121	121	0	0	0.0%	0
100		1	137			137	137	0	0	0.0%	0
Overall		6	115.8			101	137				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	5	7.74	7.498	7.982	7.5	8	0.08718	0.1949	2.52%	0
6.25		5	7.78	7.596	7.964	7.6	8	0.06633	0.1483	1.91%	0
12.5		5	7.7	7.524	7.876	7.5	7.9	0.06324	0.1414	1.84%	0
25		5	7.66	7.452	7.868	7.5	7.9	0.07483	0.1673	2.18%	0
50		5	7.56	7.303	7.817	7.3	7.8	0.09274	0.2074	2.74%	0
100		5	7.36	7.013	7.707	7.1	7.7	0.1249	0.2793	3.8%	0
Overall		30	7.633			7.1	8				0 (0%)

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	5	24.2	23.99	24.41	24.1	24.5	0.07743	0.1731	0.72%	0
6.25		5	24.2	23.99	24.41	24.1	24.5	0.07743	0.1731	0.72%	0
12.5		5	24.2	23.99	24.41	24.1	24.5	0.07743	0.1731	0.72%	0
25		5	24.2	23.99	24.41	24.1	24.5	0.07743	0.1731	0.72%	0
50		5	24.2	23.99	24.41	24.1	24.5	0.07743	0.1731	0.72%	0
100		5	24.2	23.99	24.41	24.1	24.5	0.07743	0.1731	0.72%	0
Overall		30	24.2			24.1	24.5				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:55 (p 2 of 2)

Test Code: VCF1114.010 | 00-9190-3718

Selenastrum Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Alkalinity (CaCO3)-mg/L

C-%	Control Type	1
0	Negative Contr	75
6.25		66
12.5		68
25		76
50		78
100		58

Conductivity-µmhos

C-%	Control Type	1	2	3	4	5
0	Negative Contr	422	423	421	431	425
6.25		429	431	431	428	429
12.5		438	439	440	440	452
25		452	452	454	457	437
50		483	481	482	488	494
100		542	539	542	555	555

Hardness (CaCO3)-mg/L

C-%	Control Type	1
0	Negative Contr	101
6.25		110
12.5		116
25		110
50		121
100		137

pH-Units

C-%	Control Type	1	2	3	4	5
0	Negative Contr	7.6	7.8	7.5	7.8	8
6.25		7.7	7.8	7.6	7.8	8
12.5		7.7	7.7	7.5	7.7	7.9
25		7.7	7.5	7.5	7.7	7.9
50		7.7	7.4	7.3	7.6	7.8
100		7.7	7.1	7.1	7.3	7.6

Temperature-°C

C-%	Control Type	1	2	3	4	5
0	Negative Contr	24.1	24.1	24.2	24.1	24.5
6.25		24.1	24.1	24.2	24.1	24.5
12.5		24.1	24.1	24.2	24.1	24.5
25		24.1	24.1	24.2	24.1	24.5
50		24.1	24.1	24.2	24.1	24.5
100		24.1	24.1	24.2	24.1	24.5



December 17, 2014

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*" EPA-821-R-02-013. Results were as follows:


CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-VEN
DATE RECEIVED:	11/1/2014
ABC LAB. NO.:	VCF1114.006

CHRONIC CERIODAPHNIA SURVIVAL & REPRODUCTION BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

REPRODUCTION	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,



Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 11:56 (p 1 of 2)
 Test Code: VCF1114.006 | 08-8861-6175

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 08-4147-8266	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 14:16	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 13:45	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-0675-7046	Code: VCF1114.006	Client: VCWPD
Sample Date: 31 Oct-14 22:45	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 64h	Station: MO-VEN	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
08-8122-1137	7d Survival Rate	100	>100	NA	NA	1	Fisher Exact/Bonferroni-Holm Test
18-2874-6584	Reproduction	100	>100	NA	45.3%	1	Dunnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
12-5129-4462	7d Survival Rate	EC5	75	58.33	N/A	1.333	Linear Interpolation (ICPIN)
		EC10	100	66.67	N/A	1	
		EC15	>100	N/A	N/A	<1	
		EC20	>100	N/A	N/A	<1	
		EC25	>100	N/A	N/A	<1	
		EC40	>100	N/A	N/A	<1	
13-6682-7203	Reproduction	IC5	66.46	54.72	N/A	1.505	Linear Interpolation (ICPIN)
		IC10	82.92	61.64	N/A	1.206	
		IC15	99.38	68.65	N/A	1.006	
		IC20	>100	N/A	N/A	<1	
		IC25	>100	N/A	N/A	<1	
		IC40	>100	N/A	N/A	<1	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
08-8122-1137	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
12-5129-4462	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
13-6682-7203	Reproduction	Control Resp	18.9	15 - NL	Yes	Passes Acceptability Criteria
18-2874-6584	Reproduction	Control Resp	18.9	15 - NL	Yes	Passes Acceptability Criteria
18-2874-6584	Reproduction	PMSD	0.4534	0.13 - 0.47	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	10	1	1	1	1	1	0	0	0.0%	0.0%
6.25		10	1	1	1	1	1	0	0	0.0%	0.0%
12.5		10	1	1	1	1	1	0	0	0.0%	0.0%
25		10	1	1	1	1	1	0	0	0.0%	0.0%
50		10	1	1	1	1	1	0	0	0.0%	0.0%
100		10	0.9	0.6738	1	0	1	0.1	0.3162	35.14%	10.0%

Reproduction Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	10	18.9	15.73	22.07	10	26	1.402	4.433	23.46%	0.0%
6.25		10	33.6	27.02	40.18	17	46	2.907	9.192	27.36%	-77.78%
12.5		10	32.1	27.84	36.36	21	42	1.882	5.953	18.54%	-69.84%
25		10	33.4	29.19	37.61	22	41	1.863	5.892	17.64%	-76.72%
50		10	34.1	26.9	41.3	20	50	3.181	10.06	29.5%	-80.42%
100		10	25.8	17.19	34.41	0	44	3.806	12.04	46.65%	-36.51%

CETIS Analytical Report

Report Date: 17 Dec-14 11:56 (p 1 of 2)
 Test Code: VCF1114.006 | 08-8861-6175

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 18-2874-6584	Endpoint: Reproduction	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:23	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 08-4147-8266	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 14:16	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 13:45	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-0675-7046	Code: VCF1114.006	Client: VCWPD
Sample Date: 31 Oct-14 22:45	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 64h	Station: MO-VEN	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	45.3%	100	>100	NA	1

Dunnnett Multiple Comparison Test

Control	vs	C-%	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		6.25	-3.927	2.289	8.569	18	1.0000	CDF	Non-Significant Effect
		12.5	-3.526	2.289	8.569	18	1.0000	CDF	Non-Significant Effect
		25	-3.874	2.289	8.569	18	1.0000	CDF	Non-Significant Effect
		50	-4.061	2.289	8.569	18	1.0000	CDF	Non-Significant Effect
		100	-1.843	2.289	8.569	18	0.9991	CDF	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	18.9	15 - NL	Yes	Passes Acceptability Criteria
PMSD	0.4534	0.13 - 0.47	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1858.55	371.71	5	5.306	0.0005	Significant Effect
Error	3783.1	70.05741	54			
Total	5641.65		59			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	11.85	15.09	0.0369	Equal Variances
Variances	Mod Levene Equality of Variance	1.548	3.377	0.1906	Equal Variances
Variances	Levene Equality of Variance	2.33	3.377	0.0548	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9772	0.9459	0.3233	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.08765	0.1331	0.2808	Normal Distribution
Distribution	D'Agostino Skewness	1.716	2.576	0.0861	Normal Distribution
Distribution	D'Agostino Kurtosis	1.565	2.576	0.1176	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	5.395	9.21	0.0674	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.4589	3.878	0.2670	Normal Distribution

Reproduction Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	10	18.9	15.73	22.07	19	10	26	1.402	23.46%	0.0%
6.25		10	33.6	27.02	40.18	34.5	17	46	2.907	27.36%	-77.78%
12.5		10	32.1	27.84	36.36	32.5	21	42	1.882	18.54%	-69.84%
25		10	33.4	29.19	37.61	34.5	22	41	1.863	17.64%	-76.72%
50		10	34.1	26.9	41.3	30.5	20	50	3.181	29.5%	-80.42%
100		10	25.8	17.19	34.41	28.5	0	44	3.806	46.65%	-36.51%

CETIS Analytical Report

Report Date: 17 Dec-14 11:56 (p 2 of 2)
Test Code: VCF1114.006 | 08-8861-6175

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 18-2874-6584 Endpoint: Reproduction CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:23 Analysis: Parametric-Control vs Treatments Official Results: Yes

Reproduction Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Control	10	18	18	19	15	26	19	19	21	24
6.25		31	17	46	43	39	35	33	20	34	38
12.5		21	33	33	38	42	32	26	30	30	36
25		39	34	30	39	41	35	22	36	30	28
50		43	44	24	50	28	31	20	28	43	30
100		27	0	23	34	14	30	31	23	32	44

CETIS Analytical Report

Report Date: 17 Dec-14 11:56 (p 1 of 4)

Test Code: VCF1114.006 | 08-8861-6175

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 12-5129-4462	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:24	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 08-4147-8266	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 14:16	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 13:45	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 16-0675-7046	Code: VCF1114.006	Client: VCWPD
Sample Date: 31 Oct-14 22:45	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 64h	Station: MO-VEN	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	75	58.33	N/A	1.333	NA	1.714
EC10	100	66.67	N/A	1	NA	1.5
EC15	>100	N/A	N/A	<1	NA	NA
EC20	>100	N/A	N/A	<1	NA	NA
EC25	>100	N/A	N/A	<1	NA	NA
EC40	>100	N/A	N/A	<1	NA	NA
EC50	>100	N/A	N/A	<1	NA	NA

7d Survival Rate Summary

Calculated Variate(A/B)

C-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Negative Control	10	1	1	1	0	0	0.0%	0.0%	10	10
6.25		10	1	1	1	0	0	0.0%	0.0%	10	10
12.5		10	1	1	1	0	0	0.0%	0.0%	10	10
25		10	1	1	1	0	0	0.0%	0.0%	10	10
50		10	1	1	1	0	0	0.0%	0.0%	10	10
100		10	0.9	0	1	0.1	0.3162	35.14%	10.0%	9	10

7d Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Control	1	1	1	1	1	1	1	1	1	1
6.25		1	1	1	1	1	1	1	1	1	1
12.5		1	1	1	1	1	1	1	1	1	1
25		1	1	1	1	1	1	1	1	1	1
50		1	1	1	1	1	1	1	1	1	1
100		1	0	1	1	1	1	1	1	1	1

7d Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Control	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	0/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 17 Dec-14 11:56 (p 4 of 4)

Test Code: VCF1114.006 | 08-8861-6175

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 13-6682-7203

Endpoint: Reproduction

CETIS Version: CETISv1.8.7

Analyzed: 17 Dec-14 11:24

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

CETIS Analytical Report

Report Date: 17 Dec-14 11:56 (p 2 of 3)
Test Code: VCF1114.006 | 08-8861-6175

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-8122-1137 Endpoint: 7d Survival Rate
Analyzed: 17 Dec-14 11:24 Analysis: STP 2x2 Contingency Tables

CETIS Version: CETISv1.8.7
Official Results: Yes

CETIS Analytical Report

Report Date: 17 Dec-14 11:56 (p 3 of 3)

Test Code: VCF1114.006 | 08-8861-6175

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-8122-1137

Endpoint: 7d Survival Rate

CETIS Version: CETISv1.8.7

Analyzed: 17 Dec-14 11:24

Analysis: STP 2x2 Contingency Tables

Official Results: Yes

CETIS Measurement Report

Report Date: 17 Dec-14 11:56 (p 1 of 2)
 Test Code: VCF1114.006 | 08-8861-6175

Ceriodaphnia 7-d Survival and Reproduction Test				Aquatic Bioassay & Consulting Labs, Inc.			
Batch ID:	08-4147-8266	Test Type:	Reproduction-Survival (7d)	Analyst:	Joe Freas		
Start Date:	03 Nov-14 14:16	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water		
Ending Date:	10 Nov-14 13:45	Species:	Ceriodaphnia dubia	Brine:	Not Applicable		
Duration:	6d 23h	Source:	Aquatic Biosystems, CO	Age:			
Sample ID:	16-0675-7046	Code:	VCF1114.006	Client:	VCWPD		
Sample Date:	31 Oct-14 22:45	Material:	Sample Water	Project:	NPDES Stormwater Wet Season		
Receive Date:	01 Nov-14 05:11	Source:	Bioassay Report				
Sample Age:	64h	Station:	MO-VEN				

Alkalinity (CaCO3)-mg/L											
C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	67.5	66.73	68.27	67	69	0.3273	0.9258	1.37%	0
100		8	35	35	35	35	35	0	0	0.0%	0
Overall		16	51.25			35	69				0 (0%)

Conductivity-µmhos											
C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	332.6	328.2	337.1	328	344	1.889	5.344	1.61%	0
6.25		8	327.6	322.5	332.8	321	341	2.179	6.163	1.88%	0
12.5		8	314.3	308	320.5	308	330	2.651	7.498	2.39%	0
25		8	302.3	298.4	306.1	297	312	1.623	4.59	1.52%	0
50		8	273.3	267.3	279.2	263	284	2.498	7.066	2.59%	0
100		8	215.3	209.7	220.8	202	225	2.351	6.649	3.09%	0
Overall		48	294.2			202	344				0 (0%)

Dissolved Oxygen-mg/L											
C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.85	7.586	8.114	7.6	8.4	0.1118	0.3162	4.03%	0
6.25		8	7.363	6.808	7.917	6.1	8.5	0.2345	0.6632	9.01%	0
12.5		8	7.163	6.628	7.697	6.3	8	0.2259	0.6391	8.92%	0
25		8	6.825	6.278	7.372	6	7.7	0.2313	0.6541	9.58%	0
50		8	6.763	6.115	7.41	5.7	7.6	0.2738	0.7745	11.45%	0
100		8	6.3	5.367	7.233	4.8	7.9	0.3946	1.116	17.72%	0
Overall		48	7.044			4.8	8.5				0 (0%)

Hardness (CaCO3)-mg/L											
C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	83.25	78.22	88.28	80	93	2.128	6.018	7.23%	0
100		8	55	55	55	55	55	0	0	0.0%	0
Overall		16	69.13			55	93				0 (0%)

pH-Units											
C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.813	7.668	7.957	7.6	8.2	0.06106	0.1727	2.21%	0
6.25		8	7.738	7.597	7.878	7.4	7.9	0.05957	0.1685	2.18%	0
12.5		8	7.625	7.493	7.757	7.3	7.8	0.0559	0.1581	2.07%	0
25		8	7.588	7.466	7.709	7.3	7.8	0.05154	0.1458	1.92%	0
50		8	7.488	7.393	7.582	7.3	7.6	0.03981	0.1126	1.5%	0
100		8	7.288	7.143	7.432	7	7.5	0.06105	0.1727	2.37%	0
Overall		48	7.59			7	8.2				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:56 (p 2 of 2)
 Test Code: VCF1114.006 | 08-8861-6175

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.54	24.06	25.02	24	25.5	0.2035	0.5755	2.35%	0
6.25		8	24.65	24.21	25.09	24	25.5	0.188	0.5319	2.16%	0
12.5		8	24.54	24.19	24.89	24	25	0.1487	0.4207	1.71%	0
25		8	24.58	24.01	25.14	24	25.9	0.2389	0.6756	2.75%	0
50		8	24.46	24.02	24.9	24	25.4	0.1861	0.5263	2.15%	0
100		8	24.58	23.83	25.32	24	26.4	0.3144	0.8892	3.62%	0
Overall		48	24.56			24	26.4				0 (0%)

Alkalinity (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	67	67	67	67	67	67	69	69
100		35	35	35	35	35	35	35	35

Conductivity-µmhos

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	331	337	332	328	329	330	330	344
6.25		326	321	324	330	323	328	328	341
12.5		313	312	317	318	308	308	308	330
25		303	297	301	305	300	300	300	312
50		263	268	268	274	271	278	280	284
100		213	202	212	219	217	217	217	225

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.6	7.7	7.6	8.3	7.8	7.7	8.4	7.7
6.25		7.7	7.2	7.2	8.5	7.4	7.3	7.5	6.1
12.5		7.8	7.6	6.3	8	7.3	7	7	6.3
25		7.7	7.6	6	7.3	6.4	6.8	6.1	6.7
50		7.6	7.6	5.7	7.3	6	6.5	6.1	7.3
100		7.9	7.6	4.8	6.3	4.9	6.2	6	6.7

Hardness (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	80	80	80	80	80	80	93	93
100		55	55	55	55	55	55	55	55

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.8	8.2	7.8	7.8	7.7	7.8	7.8	7.6
6.25		7.7	7.6	7.9	7.9	7.8	7.8	7.8	7.4
12.5		7.7	7.6	7.8	7.5	7.7	7.7	7.7	7.3
25		7.7	7.6	7.8	7.5	7.6	7.6	7.6	7.3
50		7.6	7.6	7.6	7.4	7.5	7.4	7.5	7.3
100		7	7.5	7.4	7.1	7.4	7.3	7.4	7.2

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	25.5	25.1	24.8	24	24.7	24	24	24.2
6.25		25.5	24.8	24.9	24.9	24.9	24	24	24.2
12.5		25	24.8	24.5	24.9	24.9	24	24	24.2
25		25.9	24.5	24.1	24.7	25.2	24	24	24.2
50		25	24.4	24	24.7	25.4	24	24	24.2
100		25.5	24	24.2	24.3	26.4	24	24	24.2



December 17, 2014

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*" EPA-821-R-02-013. Results were as follows:

CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-HUE
DATE RECEIVED:	11/1/2014
ABC LAB. NO.:	VCF1114.008

CHRONIC CERIODAPHNIA SURVIVAL & REPRODUCTION BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

REPRODUCTION	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,

Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 11:57 (p 1 of 2)

Test Code: VCF1114.008 | 10-9150-6555

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 11-1650-5950	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 14:45	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 13:47	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 00-3496-4537	Code: VCF1114.008	Client: VCWPD
Sample Date: 01 Nov-14 03:15	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:30	Source: Bioassay Report	
Sample Age: 60h	Station: MO-HUE	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
05-7208-1021	7d Survival Rate	100	>100	NA	NA	1	Fisher Exact/Bonferroni-Holm Test
17-0493-9264	Reproduction	100	>100	NA	41.6%	1	Steel Many-One Rank Sum Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
06-9253-5190	7d Survival Rate	EC5	>100	N/A	N/A	<1	Linear Interpolation (ICPIN)
		EC10	>100	N/A	N/A	<1	
		EC15	>100	N/A	N/A	<1	
		EC20	>100	N/A	N/A	<1	
		EC25	>100	N/A	N/A	<1	
		EC40	>100	N/A	N/A	<1	
		EC50	>100	N/A	N/A	<1	
01-3735-0827	Reproduction	IC5	77.92	59.69	N/A	1.283	Linear Interpolation (ICPIN)
		IC10	>100	N/A	N/A	<1	
		IC15	>100	N/A	N/A	<1	
		IC20	>100	N/A	N/A	<1	
		IC25	>100	N/A	N/A	<1	
		IC40	>100	N/A	N/A	<1	
		IC50	>100	N/A	N/A	<1	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
05-7208-1021	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
06-9253-5190	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
01-3735-0827	Reproduction	Control Resp	16.8	15 - NL	Yes	Passes Acceptability Criteria
17-0493-9264	Reproduction	Control Resp	16.8	15 - NL	Yes	Passes Acceptability Criteria
17-0493-9264	Reproduction	PMSD	0.4159	0.13 - 0.47	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	10	1	1	1	1	1	0	0	0.0%	0.0%
6.25		10	0.9	0.6738	1	0	1	0.1	0.3162	35.14%	10.0%
12.5		10	1	1	1	1	1	0	0	0.0%	0.0%
25		10	1	1	1	1	1	0	0	0.0%	0.0%
50		10	1	1	1	1	1	0	0	0.0%	0.0%
100		10	1	1	1	1	1	0	0	0.0%	0.0%

Reproduction Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	10	16.8	14.47	19.13	10	22	1.031	3.259	19.4%	0.0%
6.25		10	24.2	16.08	32.32	0	36	3.589	11.35	46.9%	-44.05%
12.5		10	30.9	25.19	36.61	16	45	2.523	7.978	25.82%	-83.93%
25		10	33.6	30.21	36.99	25	39	1.5	4.742	14.11%	-100.0%
50		10	28.5	26.11	30.89	24	35	1.057	3.342	11.73%	-69.64%
100		10	24.4	19.72	29.08	15	38	2.067	6.535	26.78%	-45.24%

CETIS Analytical Report

Report Date: 17 Dec-14 11:57 (p 1 of 2)
 Test Code: VCF1114.008 | 10-9150-6555

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 17-0493-9264	Endpoint: Reproduction	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:24	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes
Batch ID: 11-1650-5950	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 14:45	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 13:47	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 00-3496-4537	Code: VCF1114.008	Client: VCWPD
Sample Date: 01 Nov-14 03:15	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:30	Source: Bioassay Report	
Sample Age: 60h	Station: MO-HUE	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	41.6%	100	>100	NA	1

Steel Many-One Rank Sum Test

Control	vs C-%	Test Stat	Critical	Ties	DF	P-Value	P-Type	Decision(α:5%)
Negative Control	6.25	135.5	75	1	18	0.9999	Asymp	Non-Significant Effect
	12.5	149	75	0	18	1.0000	Asymp	Non-Significant Effect
	25	155	75	0	18	1.0000	Asymp	Non-Significant Effect
	50	155	75	0	18	1.0000	Asymp	Non-Significant Effect
	100	141.5	75	3	18	1.0000	Asymp	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	16.8	15 - NL	Yes	Passes Acceptability Criteria
PMSD	0.4159	0.13 - 0.47	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	1775	355	5	7.621	<0.0001	Significant Effect
Error	2515.4	46.58148	54			
Total	4290.4		59			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	20.63	15.09	0.0009	Unequal Variances
Variances	Mod Levene Equality of Variance	2.311	3.377	0.0565	Equal Variances
Variances	Levene Equality of Variance	2.542	3.377	0.0388	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9451	0.9459	0.0092	Non-normal Distribution
Distribution	Kolmogorov-Smirnov D	0.1081	0.1331	0.0785	Normal Distribution
Distribution	D'Agostino Skewness	2.349	2.576	0.0188	Normal Distribution
Distribution	D'Agostino Kurtosis	2.749	2.576	0.0060	Non-normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	13.07	9.21	0.0014	Non-normal Distribution
Distribution	Anderson-Darling A2 Normality	0.9596	3.878	0.0156	Normal Distribution

Reproduction Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	10	16.8	14.47	19.13	17.5	10	22	1.031	19.4%	0.0%
6.25		10	24.2	16.08	32.32	25.5	0	36	3.589	46.9%	-44.05%
12.5		10	30.9	25.19	36.61	32	16	45	2.523	25.82%	-83.93%
25		10	33.6	30.21	36.99	35	25	39	1.5	14.11%	-100.0%
50		10	28.5	26.11	30.89	28	24	35	1.057	11.73%	-69.64%
100		10	24.4	19.72	29.08	24.5	15	38	2.067	26.78%	-45.24%

CETIS Analytical Report

Report Date: 17 Dec-14 11:57 (p 2 of 2)

Test Code: VCF1114.008 | 10-9150-6555

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 17-0493-9264 Endpoint: Reproduction CETIS Version: CETISv1.8.7
 Analyzed: 17 Dec-14 11:24 Analysis: Nonparametric-Control vs Treatments Official Results: Yes

Reproduction Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Control	15	18	10	19	15	22	18	17	15	19
6.25		22	23	0	36	11	31	24	27	32	36
12.5		32	45	24	38	16	32	34	28	26	34
25		39	29	39	35	35	25	32	29	38	35
50		25	35	30	31	31	26	27	27	24	29
100		25	38	18	27	25	24	30	23	15	19

CETIS Analytical Report

Report Date: 17 Dec-14 11:57 (p 1 of 4)
 Test Code: VCF1114.008 | 10-9150-6555

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 06-9253-5190	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:24	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 11-1650-5950	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 14:45	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 13:47	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 00-3496-4537	Code: VCF1114.008	Client: VCWPD
Sample Date: 01 Nov-14 03:15	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:30	Source: Bioassay Report	
Sample Age: 60h	Station: MO-HUE	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	>100	N/A	N/A	<1	NA	NA
EC10	>100	N/A	N/A	<1	NA	NA
EC15	>100	N/A	N/A	<1	NA	NA
EC20	>100	N/A	N/A	<1	NA	NA
EC25	>100	N/A	N/A	<1	NA	NA
EC40	>100	N/A	N/A	<1	NA	NA
EC50	>100	N/A	N/A	<1	NA	NA

7d Survival Rate Summary

Calculated Variate(A/B)

C-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Negative Control	10	1	1	1	0	0	0.0%	0.0%	10	10
6.25		10	0.9	0	1	0.1	0.3162	35.14%	10.0%	9	10
12.5		10	1	1	1	0	0	0.0%	0.0%	10	10
25		10	1	1	1	0	0	0.0%	0.0%	10	10
50		10	1	1	1	0	0	0.0%	0.0%	10	10
100		10	1	1	1	0	0	0.0%	0.0%	10	10

7d Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Control	1	1	1	1	1	1	1	1	1	1
6.25		1	1	0	1	1	1	1	1	1	1
12.5		1	1	1	1	1	1	1	1	1	1
25		1	1	1	1	1	1	1	1	1	1
50		1	1	1	1	1	1	1	1	1	1
100		1	1	1	1	1	1	1	1	1	1

7d Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Control	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	0/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 17 Dec-14 11:57 (p 2 of 3)
Test Code: VCF1114.008 | 10-9150-6555

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 05-7208-1021 Endpoint: 7d Survival Rate
Analyzed: 17 Dec-14 11:24 Analysis: STP 2x2 Contingency Tables

CETIS Version: CETISv1.8.7
Official Results: Yes

CETIS Analytical Report

Report Date: 17 Dec-14 11:57 (p 3 of 3)

Test Code: VCF1114.008 | 10-9150-6555

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 05-7208-1021
Analyzed: 17 Dec-14 11:24

Endpoint: 7d Survival Rate
Analysis: STP 2x2 Contingency Tables

CETIS Version: CETISv1.8.7
Official Results: Yes

CETIS Measurement Report

Report Date: 17 Dec-14 11:57 (p 1 of 2)

Test Code: VCF1114.008 | 10-9150-6555

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 11-1650-5950	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 14:45	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 13:47	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 00-3496-4537	Code: VCF1114.008	Client: VCWPD
Sample Date: 01 Nov-14 03:15	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:30	Source: Bioassay Report	
Sample Age: 60h	Station: MO-HUE	

Alkalinity (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	67.5	66.73	68.27	67	69	0.3273	0.9258	1.37%	0
100		8	98	98	98	98	98	0	0	0.0%	0
Overall		16	82.75			67	98				0 (0%)

Conductivity-µmhos

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	332.6	328.2	337.1	328	344	1.889	5.344	1.61%	0
6.25		8	367	362	372	362	381	2.13	6.024	1.64%	0
12.5		8	409.8	405.8	413.7	402	417	1.688	4.773	1.17%	0
25		8	488.9	483.9	493.9	482	499	2.108	5.963	1.22%	0
50		8	648.3	630.6	665.9	615	669	7.464	21.11	3.26%	0
100		8	983.3	973.4	993.1	964	1005	4.182	11.83	1.2%	0
Overall		48	538.3			328	1005				0 (0%)

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.85	7.586	8.114	7.6	8.4	0.1118	0.3162	4.03%	0
6.25		8	7.738	7.597	7.878	7.4	7.9	0.05957	0.1685	2.18%	0
12.5		8	6.725	6.4	7.05	6	7.2	0.1373	0.3882	5.77%	0
25		8	7.075	6.713	7.437	6.4	7.5	0.1532	0.4334	6.13%	0
50		8	6.538	6.131	6.944	5.8	7.2	0.1721	0.4868	7.45%	0
100		8	5.375	4.562	6.188	4.1	7	0.3437	0.9721	18.09%	0
Overall		48	6.883			4.1	8.4				0 (0%)

Hardness (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	83.25	78.22	88.28	80	93	2.128	6.018	7.23%	0
100		8	307	307	307	307	307	0	0	0.0%	0
Overall		16	195.1			80	307				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.825	7.678	7.972	7.6	8.2	0.06196	0.1753	2.24%	0
6.25		8	7.463	7.302	7.623	7.1	7.7	0.06797	0.1923	2.58%	0
12.5		8	7.563	7.373	7.752	7.1	7.8	0.08004	0.2264	2.99%	0
25		8	7.45	7.302	7.598	7.1	7.6	0.06268	0.1773	2.38%	0
50		8	7.35	7.241	7.459	7.1	7.5	0.04629	0.1309	1.78%	0
100		8	7.238	7.149	7.326	7	7.3	0.0375	0.1061	1.47%	0
Overall		48	7.481			7	8.2				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:57 (p 2 of 2)
 Test Code: VCF1114.008 | 10-9150-6555

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.65	24.28	25.02	24.2	25.4	0.1558	0.4408	1.79%	0
6.25		8	24.28	23.84	24.71	24	25.5	0.1859	0.5258	2.17%	0
12.5		8	24.06	23.91	24.21	24	24.5	0.0625	0.1768	0.73%	0
25		8	24.46	24.02	24.9	24	25.4	0.1861	0.5263	2.15%	0
50		8	24.48	24.11	24.84	24	25.2	0.1544	0.4367	1.78%	0
100		8	24.49	23.94	25.03	24	25.7	0.2302	0.6512	2.66%	0
Overall		48	24.4			24	25.7				0 (0%)

Alkalinity (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	67	67	67	67	67	67	69	69
100		98	98	98	98	98	98	98	98

Conductivity-µmhos

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	331	337	332	328	329	330	330	344
6.25		368	362	366	366	366	365	362	381
12.5		412	402	409	408	407	415	408	417
25		496	484	489	482	486	485	490	499
50		661	645	665	657	657	615	617	669
100		982	964	988	989	975	980	983	1005

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.6	7.7	7.6	8.3	7.8	7.7	8.4	7.7
6.25		7.7	7.6	7.9	7.9	7.8	7.8	7.8	7.4
12.5		6.6	6.8	6.5	7	7.2	7.1	6.6	6
25		7.5	7	7.5	7.4	7.3	7	6.5	6.4
50		7.2	7	6.3	5.8	6.3	6.7	6.1	6.9
100		6.1	7	4.1	4.2	5.1	5.1	5.9	5.5

Hardness (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	80	80	80	80	80	80	93	93
100		307	307	307	307	307	307	307	307

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.8	8.2	7.8	7.8	7.9	7.7	7.8	7.6
6.25		7.6	7.6	7.7	7.3	7.5	7.5	7.4	7.1
12.5		7.8	7.7	7.6	7.7	7.7	7.5	7.4	7.1
25		7.6	7.5	7.6	7.3	7.5	7.4	7.6	7.1
50		7.5	7.3	7.5	7.1	7.4	7.4	7.3	7.3
100		7.3	7.3	7.3	7	7.2	7.3	7.2	7.3

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	25.4	24.4	24.6	24.7	24.5	25.2	24.2	24.2
6.25		25.5	24.5	24.2	24	24	24	24	24
12.5		24	24	24	24.5	24	24	24	24
25		25	24.4	24	24.7	25.4	24	24	24.2
50		25.2	24.3	24.2	24.7	25	24.2	24	24.2
100		25.2	24.1	24	24	24.7	25.7	24.2	24



December 17, 2014

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*" EPA-821-R-02-013. Results were as follows:

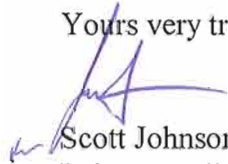
CLIENT: Ventura County Flood Control
SAMPLE I.D.: MO-THO
DATE RECEIVED: 11/1/2014
ABC LAB. NO.: VCF1114.009

CHRONIC CERIODAPHNIA SURVIVAL & REPRODUCTION BIOASSAY

SURVIVAL NOEC = 100.00 %
TUc = 1.00
IC25 = >100.00 %
IC50 = >100.00 %

REPRODUCTION NOEC = 100.00 %
TUc = 1.00
IC25 = >100.00 %
IC50 = >100.00 %

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 11:59 (p 1 of 2)
 Test Code: VCF1114.009 | 10-0239-7921

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 03-3484-5956	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 15:00	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 14:10	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 06-4767-3754	Code: VCF1114.009	Client: VCWPD
Sample Date: 01 Nov-14 00:02	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 63h	Station: MO-THO	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
08-6540-5424	7d Survival Rate	100	>100	NA	NA	1	Fisher Exact/Bonferroni-Holm Test
01-1274-6808	Reproduction	100	>100	NA	36.8%	1	Steel Many-One Rank Sum Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
02-6839-0974	7d Survival Rate	EC5	>100	N/A	N/A	<1	Linear Interpolation (ICPIN)
		EC10	>100	N/A	N/A	<1	
		EC15	>100	N/A	N/A	<1	
		EC20	>100	N/A	N/A	<1	
		EC25	>100	N/A	N/A	<1	
		EC40	>100	N/A	N/A	<1	
11-1458-0058	Reproduction	IC5	76.75	8.369	N/A	1.303	Linear Interpolation (ICPIN)
		IC10	>100	N/A	N/A	<1	
		IC15	>100	N/A	N/A	<1	
		IC20	>100	N/A	N/A	<1	
		IC25	>100	N/A	N/A	<1	
		IC40	>100	N/A	N/A	<1	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
02-6839-0974	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
08-6540-5424	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
01-1274-6808	Reproduction	Control Resp	21.6	15 - NL	Yes	Passes Acceptability Criteria
11-1458-0058	Reproduction	Control Resp	21.6	15 - NL	Yes	Passes Acceptability Criteria
01-1274-6808	Reproduction	PMSD	0.368	0.13 - 0.47	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	10	1	1	1	1	1	0	0	0.0%	0.0%
6.25		10	1	1	1	1	1	0	0	0.0%	0.0%
12.5		10	0.9	0.6738	1	0	1	0.1	0.3162	35.14%	10.0%
25		10	0.9	0.6738	1	0	1	0.1	0.3162	35.14%	10.0%
50		10	1	1	1	1	1	0	0	0.0%	0.0%
100		10	1	1	1	1	1	0	0	0.0%	0.0%

Reproduction Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	10	21.6	17.21	25.99	13	35	1.939	6.132	28.39%	0.0%
6.25		10	27.4	23.58	31.22	19	34	1.688	5.337	19.48%	-26.85%
12.5		10	24.6	16.61	32.59	0	39	3.531	11.17	45.4%	-13.89%
25		10	24.2	16.83	31.57	0	38	3.258	10.3	42.58%	-12.04%
50		10	24.5	20.51	28.49	18	35	1.765	5.583	22.79%	-13.43%
100		10	22.4	18.25	26.55	16	33	1.833	5.797	25.88%	-3.7%

CETIS Analytical Report

Report Date: 17 Dec-14 11:59 (p 1 of 2)
 Test Code: VCF1114.009 | 10-0239-7921

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 01-1274-6808	Endpoint: Reproduction	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:24	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes
Batch ID: 03-3484-5956	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 15:00	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 14:10	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 06-4767-3754	Code: VCF1114.009	Client: VCWPD
Sample Date: 01 Nov-14 00:02	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 63h	Station: MO-THO	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	36.8%	100	>100	NA	1

Steel Many-One Rank Sum Test

Control	vs	C-%	Test Stat	Critical	Ties	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		6.25	130	75	1	18	0.9994	Asymp	Non-Significant Effect
		12.5	122	75	3	18	0.9941	Asymp	Non-Significant Effect
		25	123	75	2	18	0.9955	Asymp	Non-Significant Effect
		50	120	75	4	18	0.9902	Asymp	Non-Significant Effect
		100	107.5	75	3	18	0.8837	Asymp	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	21.6	15 - NL	Yes	Passes Acceptability Criteria
PMSD	0.368	0.13 - 0.47	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	204.4833	40.89667	5	0.6783	0.6417	Non-Significant Effect
Error	3255.7	60.29074	54			
Total	3460.183		59			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	10.12	15.09	0.0718	Equal Variances
Variances	Mod Levene Equality of Variance	0.8119	3.377	0.5464	Equal Variances
Variances	Levene Equality of Variance	0.8763	3.377	0.5033	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9297	0.9459	0.0019	Non-normal Distribution
Distribution	Kolmogorov-Smirnov D	0.1088	0.1331	0.0745	Normal Distribution
Distribution	D'Agostino Skewness	2.327	2.576	0.0200	Normal Distribution
Distribution	D'Agostino Kurtosis	2.611	2.576	0.0090	Non-normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	12.24	9.21	0.0022	Non-normal Distribution
Distribution	Anderson-Darling A2 Normality	0.8706	3.878	0.0255	Normal Distribution

Reproduction Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	10	21.6	17.21	25.99	21.5	13	35	1.939	28.39%	0.0%
6.25		10	27.4	23.58	31.22	28.5	19	34	1.688	19.48%	-26.85%
12.5		10	24.6	16.61	32.59	24.5	0	39	3.531	45.4%	-13.89%
25		10	24.2	16.83	31.57	26	0	38	3.258	42.58%	-12.04%
50		10	24.5	20.51	28.49	23	18	35	1.765	22.79%	-13.43%
100		10	22.4	18.25	26.55	20.5	16	33	1.833	25.88%	-3.7%

CETIS Analytical Report

Report Date: 17 Dec-14 11:59 (p 3 of 4)

Test Code: VCF1114.009 | 10-0239-7921

Ceriodaphnia 7-d Survival and Reproduction Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID:	11-1458-0058	Endpoint:	Reproduction	CETIS Version:	CETISv1.8.7		
Analyzed:	17 Dec-14 11:25	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes		
Batch ID:	03-3484-5956	Test Type:	Reproduction-Survival (7d)	Analyst:	Joe Freas		
Start Date:	03 Nov-14 15:00	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water		
Ending Date:	10 Nov-14 14:10	Species:	Ceriodaphnia dubia	Brine:	Not Applicable		
Duration:	6d 23h	Source:	Aquatic Biosystems, CO	Age:			
Sample ID:	06-4767-3754	Code:	VCF1114.009	Client:	VCWPD		
Sample Date:	01 Nov-14 00:02	Material:	Sample Water	Project:	NPDES Stormwater Wet Season		
Receive Date:	01 Nov-14 05:11	Source:	Bioassay Report				
Sample Age:	63h	Station:	MO-THO				

Linear Interpolation Options					
X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	974071	280	Yes	Two-Point Interpolation

Test Acceptability Criteria				
Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	21.6	15 - NL	Yes	Passes Acceptability Criteria

Point Estimates						
Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
IC5	76.75	8.369	N/A	1.303	NA	11.95
IC10	>100	N/A	N/A	<1	NA	NA
IC15	>100	N/A	N/A	<1	NA	NA
IC20	>100	N/A	N/A	<1	NA	NA
IC25	>100	N/A	N/A	<1	NA	NA
IC40	>100	N/A	N/A	<1	NA	NA
IC50	>100	N/A	N/A	<1	NA	NA

Reproduction Summary			Calculated Variate						
C-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Control	10	21.6	13	35	1.939	6.132	28.39%	0.0%
6.25		10	27.4	19	34	1.688	5.337	19.48%	-26.85%
12.5		10	24.6	0	39	3.531	11.17	45.4%	-13.89%
25		10	24.2	0	38	3.258	10.3	42.58%	-12.04%
50		10	24.5	18	35	1.765	5.583	22.79%	-13.43%
100		10	22.4	16	33	1.833	5.797	25.88%	-3.7%

Reproduction Detail											
C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Control	24	18	20	18	35	25	13	16	24	23
6.25		22	24	34	19	33	22	30	27	32	31
12.5		20	24	39	25	33	24	0	37	17	27
25		23	31	38	19	31	0	25	19	29	27
50		19	35	20	32	27	18	26	22	24	22
100		17	26	22	20	31	21	18	16	20	33

CETIS Analytical Report

Report Date: 17 Dec-14 11:59 (p 3 of 3)
Test Code: VCF1114.009 | 10-0239-7921

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-6540-5424
Analyzed: 17 Dec-14 11:25

Endpoint: 7d Survival Rate
Analysis: STP 2x2 Contingency Tables

CETIS Version: CETISv1.8.7
Official Results: Yes

CETIS Measurement Report

Report Date: 17 Dec-14 11:59 (p 1 of 2)

Test Code: VCF1114.009 | 10-0239-7921

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 03-3484-5956	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 15:00	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 14:10	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 06-4767-3754	Code: VCF1114.009	Client: VCWPD
Sample Date: 01 Nov-14 00:02	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 63h	Station: MO-THO	

Alkalinity (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	67.5	66.73	68.27	67	69	0.3273	0.9258	1.37%	0
100		8	102	102	102	102	102	0	0	0.0%	0
Overall		16	84.75			67	102				0 (0%)

Conductivity-µmhos

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	332.6	328.2	337.1	328	344	1.889	5.344	1.61%	0
6.25		8	356	349.2	362.8	348	375	2.872	8.124	2.28%	0
12.5		8	371	365.4	376.6	356	379	2.36	6.676	1.8%	0
25		8	421.5	413.4	429.6	406	436	3.412	9.651	2.29%	0
50		8	502.4	495.6	509.2	495	515	2.866	8.105	1.61%	0
100		8	694.4	686.8	701.9	680	709	3.201	9.054	1.3%	0
Overall		48	446.3			328	709				0 (0%)

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.85	7.586	8.114	7.6	8.4	0.1118	0.3162	4.03%	0
6.25		8	7.363	6.808	7.917	6.1	8.5	0.2345	0.6632	9.01%	0
12.5		8	7.163	6.628	7.697	6.3	8	0.2259	0.6391	8.92%	0
25		8	6.825	6.278	7.372	6	7.7	0.2313	0.6541	9.58%	0
50		8	6.763	6.115	7.41	5.7	7.6	0.2738	0.7745	11.45%	0
100		8	6.3	5.367	7.233	4.8	7.9	0.3946	1.116	17.72%	0
Overall		48	7.044			4.8	8.5				0 (0%)

Hardness (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	83.25	78.22	88.28	80	93	2.128	6.018	7.23%	0
100		8	245	245	245	245	245	0	0	0.0%	0
Overall		16	164.1			80	245				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.813	7.668	7.957	7.6	8.2	0.06106	0.1727	2.21%	0
6.25		8	7.738	7.597	7.878	7.4	7.9	0.05957	0.1685	2.18%	0
12.5		8	7.625	7.493	7.757	7.3	7.8	0.0559	0.1581	2.07%	0
25		8	7.588	7.466	7.709	7.3	7.8	0.05154	0.1458	1.92%	0
50		8	7.488	7.393	7.582	7.3	7.6	0.03981	0.1126	1.5%	0
100		8	7.288	7.143	7.432	7	7.5	0.06105	0.1727	2.37%	0
Overall		48	7.59			7	8.2				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:59 (p 2 of 2)
 Test Code: VCF1114.009 | 10-0239-7921

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.54	24.06	25.02	24	25.5	0.2035	0.5755	2.35%	0
6.25		8	24.65	24.21	25.09	24	25.5	0.188	0.5319	2.16%	0
12.5		8	24.54	24.19	24.89	24	25	0.1487	0.4207	1.71%	0
25		8	24.58	24.01	25.14	24	25.9	0.2389	0.6756	2.75%	0
50		8	24.46	24.02	24.9	24	25.4	0.1861	0.5263	2.15%	0
100		8	24.58	23.83	25.32	24	26.4	0.3144	0.8892	3.62%	0
Overall		48	24.56			24	26.4				0 (0%)

Alkalinity (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	67	67	67	67	67	67	69	69
100		102	102	102	102	102	102	102	102

Conductivity-µmhos

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	331	337	332	328	329	330	330	344
6.25		348	354	356	356	355	352	375	352
12.5		356	370	373	374	373	373	370	379
25		418	412	406	421	422	428	429	436
50		499	505	496	515	499	495	496	514
100		691	680	688	709	692	696	695	704

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.6	7.7	7.6	8.3	7.8	7.7	8.4	7.7
6.25		7.7	7.2	7.2	8.5	7.4	7.3	7.5	6.1
12.5		7.8	7.6	6.3	8	7.3	7	7	6.3
25		7.7	7.6	6	7.3	6.4	6.8	6.1	6.7
50		7.6	7.6	5.7	7.3	6	6.5	6.1	7.3
100		7.9	7.6	4.8	6.3	4.9	6.2	6	6.7

Hardness (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	80	80	80	80	80	80	93	93
100		245	245	245	245	245	245	245	245

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.8	8.2	7.8	7.8	7.7	7.8	7.8	7.6
6.25		7.7	7.6	7.9	7.9	7.8	7.8	7.8	7.4
12.5		7.7	7.6	7.8	7.5	7.7	7.7	7.7	7.3
25		7.7	7.6	7.8	7.5	7.6	7.6	7.6	7.3
50		7.6	7.6	7.6	7.4	7.5	7.4	7.5	7.3
100		7	7.5	7.4	7.1	7.4	7.3	7.4	7.2

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	25.5	25.1	24.8	24	24.7	24	24	24.2
6.25		25.5	24.8	24.9	24.9	24.9	24	24	24.2
12.5		25	24.8	24.5	24.9	24.9	24	24	24.2
25		25.9	24.5	24.1	24.7	25.2	24	24	24.2
50		25	24.4	24	24.7	25.4	24	24	24.2
100		25.5	24	24.2	24.3	26.4	24	24	24.2



December 17, 2014

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*" EPA-821-R-02-013. Results were as follows:

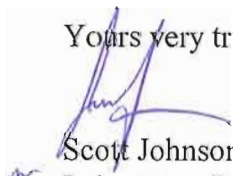
CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-SIM
DATE RECEIVED:	11/1/2014
ABC LAB. NO.:	VCF1114.011

CHRONIC CERIODAPHNIA SURVIVAL & REPRODUCTION BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

REPRODUCTION	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,



Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 12:00 (p 1 of 2)

Test Code: VCF1114.011 | 04-6133-3523

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 19-5731-1883	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 15:01	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 13:55	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 14-2336-0668	Code: VCF1114.011	Client: VCWPD
Sample Date: 01 Nov-14 01:11	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 62h	Station: MO-SIM	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
18-6237-3783	7d Survival Rate	100	>100	NA	NA	1	Fisher Exact/Bonferroni-Holm Test
11-2350-1305	Reproduction	100	>100	NA	30.2%	1	Dunnnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
12-6604-6498	7d Survival Rate	EC5	100	33.33	N/A	1	Linear Interpolation (ICPIN)
		EC10	>100	N/A	N/A	<1	
		EC15	>100	N/A	N/A	<1	
		EC20	>100	N/A	N/A	<1	
		EC25	>100	N/A	N/A	<1	
		EC40	>100	N/A	N/A	<1	
09-0228-5764	Reproduction	IC5	79.78	32.74	N/A	1.253	Linear Interpolation (ICPIN)
		IC10	>100	N/A	N/A	<1	
		IC15	>100	N/A	N/A	<1	
		IC20	>100	N/A	N/A	<1	
		IC25	>100	N/A	N/A	<1	
		IC40	>100	N/A	N/A	<1	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
12-6604-6498	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
18-6237-3783	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
09-0228-5764	Reproduction	Control Resp	23.4	15 - NL	Yes	Passes Acceptability Criteria
11-2350-1305	Reproduction	Control Resp	23.4	15 - NL	Yes	Passes Acceptability Criteria
11-2350-1305	Reproduction	PMSD	0.3015	0.13 - 0.47	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	10	1	1	1	1	1	0	0	0.0%	0.0%
6.25		10	1	1	1	1	1	0	0	0.0%	0.0%
12.5		10	1	1	1	1	1	0	0	0.0%	0.0%
25		10	1	1	1	1	1	0	0	0.0%	0.0%
50		10	0.9	0.6738	1	0	1	0.1	0.3162	35.14%	10.0%
100		10	1	1	1	1	1	0	0	0.0%	0.0%

Reproduction Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	10	23.4	20.18	26.62	17	29	1.424	4.502	19.24%	0.0%
6.25		10	27.8	24.2	31.4	20	34	1.59	5.029	18.09%	-18.8%
12.5		10	27.3	21.29	33.31	14	44	2.659	8.407	30.79%	-16.67%
25		10	29.7	23.45	35.95	17	43	2.761	8.731	29.4%	-26.92%
50		10	28.8	22.48	35.12	9	36	2.792	8.829	30.66%	-23.08%
100		10	25.1	22.37	27.83	18	30	1.206	3.814	15.19%	-7.27%

CETIS Analytical Report

Report Date: 17 Dec-14 11:59 (p 1 of 4)
 Test Code: VCF1114.011 | 04-6133-3523

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 12-6604-6498	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:25	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 19-5731-1883	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 15:01	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 13:55	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 14-2336-0668	Code: VCF1114.011	Client: VCWPD
Sample Date: 01 Nov-14 01:11	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 62h	Station: MO-SIM	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria

Point Estimates

Level	%	95% LCL	95% UCL	TU	95% LCL	95% UCL
EC5	100	33.33	N/A	1	NA	3
EC10	>100	N/A	N/A	<1	NA	NA
EC15	>100	N/A	N/A	<1	NA	NA
EC20	>100	N/A	N/A	<1	NA	NA
EC25	>100	N/A	N/A	<1	NA	NA
EC40	>100	N/A	N/A	<1	NA	NA
EC50	>100	N/A	N/A	<1	NA	NA

7d Survival Rate Summary

Calculated Variate(A/B)

C-%	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Negative Control	10	1	1	1	0	0	0.0%	0.0%	10	10
6.25		10	1	1	1	0	0	0.0%	0.0%	10	10
12.5		10	1	1	1	0	0	0.0%	0.0%	10	10
25		10	1	1	1	0	0	0.0%	0.0%	10	10
50		10	0.9	0	1	0.1	0.3162	35.14%	10.0%	9	10
100		10	1	1	1	0	0	0.0%	0.0%	10	10

7d Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Control	1	1	1	1	1	1	1	1	1	1
6.25		1	1	1	1	1	1	1	1	1	1
12.5		1	1	1	1	1	1	1	1	1	1
25		1	1	1	1	1	1	1	1	1	1
50		1	1	1	1	1	1	1	1	0	1
100		1	1	1	1	1	1	1	1	1	1

7d Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Control	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	0/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 17 Dec-14 11:59 (p 2 of 4)

Test Code: VCF1114.011 | 04-6133-3523

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 12-6604-6498

Endpoint: 7d Survival Rate

CETIS Version: CETISv1.8.7

Analyzed: 17 Dec-14 11:25

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

CETIS Analytical Report

Report Date: 17 Dec-14 11:59 (p 4 of 4)

Test Code: VCF1114.011 | 04-6133-3523

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 09-0228-5764 Endpoint: Reproduction
Analyzed: 17 Dec-14 11:25 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.8.7
Official Results: Yes

CETIS Measurement Report

Report Date: 17 Dec-14 12:00 (p 1 of 2)

Test Code: VCF1114.011 | 04-6133-3523

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 19-5731-1883	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 15:01	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 13:55	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 14-2336-0668	Code: VCF1114.011	Client: VCWPD
Sample Date: 01 Nov-14 01:11	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 62h	Station: MO-SIM	

Alkalinity (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	67.5	66.73	68.27	67	69	0.3273	0.9258	1.37%	0
100		8	35	35	35	35	35	0	0	0.0%	0
Overall		16	51.25			35	69				0 (0%)

Conductivity-µmhos

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	332.6	328.2	337.1	328	344	1.889	5.344	1.61%	0
6.25		8	327.6	322.5	332.8	321	341	2.179	6.163	1.88%	0
12.5		8	420.3	397.3	443.2	403	486	9.702	27.44	6.53%	0
25		8	488.8	486.2	491.3	485	494	1.098	3.105	0.64%	0
50		8	649.9	643.5	656.2	643	666	2.682	7.586	1.17%	0
100		8	959	952.7	965.3	948	968	2.652	7.502	0.78%	0
Overall		48	529.7			321	968				0 (0%)

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.85	7.586	8.114	7.6	8.4	0.1118	0.3162	4.03%	0
6.25		8	7.363	6.808	7.917	6.1	8.5	0.2345	0.6632	9.01%	0
12.5		8	7.163	6.628	7.697	6.3	8	0.2259	0.6391	8.92%	0
25		8	6.825	6.278	7.372	6	7.7	0.2313	0.6541	9.58%	0
50		8	6.763	6.115	7.41	5.7	7.6	0.2738	0.7745	11.45%	0
100		8	6.3	5.367	7.233	4.8	7.9	0.3946	1.116	17.72%	0
Overall		48	7.044			4.8	8.5				0 (0%)

Hardness (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	83.25	78.22	88.28	80	93	2.128	6.018	7.23%	0
100		8	55	55	55	55	55	0	0	0.0%	0
Overall		16	69.13			55	93				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.813	7.668	7.957	7.6	8.2	0.06106	0.1727	2.21%	0
6.25		8	7.738	7.597	7.878	7.4	7.9	0.05957	0.1685	2.18%	0
12.5		8	7.625	7.493	7.757	7.3	7.8	0.0559	0.1581	2.07%	0
25		8	7.588	7.466	7.709	7.3	7.8	0.05154	0.1458	1.92%	0
50		8	7.488	7.393	7.582	7.3	7.6	0.03981	0.1126	1.5%	0
100		8	7.288	7.143	7.432	7	7.5	0.06105	0.1727	2.37%	0
Overall		48	7.59			7	8.2				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 12:00 (p 2 of 2)
 Test Code: VCF1114.011 | 04-6133-3523

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.54	24.06	25.02	24	25.5	0.2035	0.5755	2.35%	0
6.25		8	24.65	24.21	25.09	24	25.5	0.188	0.5319	2.16%	0
12.5		8	24.54	24.19	24.89	24	25	0.1487	0.4207	1.71%	0
25		8	24.58	24.01	25.14	24	25.9	0.2389	0.6756	2.75%	0
50		8	24.46	24.02	24.9	24	25.4	0.1861	0.5263	2.15%	0
100		8	24.58	23.83	25.32	24	26.4	0.3144	0.8892	3.62%	0
Overall		48	24.56			24	26.4				0 (0%)

Alkalinity (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	67	67	67	67	67	67	69	69
100		35	35	35	35	35	35	35	35

Conductivity-µmhos

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	331	337	332	328	329	330	330	344
6.25		326	321	324	330	323	328	328	341
12.5		486	405	403	404	409	415	420	420
25		491	486	494	491	489	488	486	485
50		655	648	648	650	646	643	643	666
100		949	948	958	968	964	967	958	960

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.6	7.7	7.6	8.3	7.8	7.7	8.4	7.7
6.25		7.7	7.2	7.2	8.5	7.4	7.3	7.5	6.1
12.5		7.8	7.6	6.3	8	7.3	7	7	6.3
25		7.7	7.6	6	7.3	6.4	6.8	6.1	6.7
50		7.6	7.6	5.7	7.3	6	6.5	6.1	7.3
100		7.9	7.6	4.8	6.3	4.9	6.2	6	6.7

Hardness (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	80	80	80	80	80	80	93	93
100		55	55	55	55	55	55	55	55

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.8	8.2	7.8	7.8	7.7	7.8	7.8	7.6
6.25		7.7	7.6	7.9	7.9	7.8	7.8	7.8	7.4
12.5		7.7	7.6	7.8	7.5	7.7	7.7	7.7	7.3
25		7.7	7.6	7.8	7.5	7.6	7.6	7.6	7.3
50		7.6	7.6	7.6	7.4	7.5	7.4	7.5	7.3
100		7	7.5	7.4	7.1	7.4	7.3	7.4	7.2

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	25.5	25.1	24.8	24	24.7	24	24	24.2
6.25		25.5	24.8	24.9	24.9	24.9	24	24	24.2
12.5		25	24.8	24.5	24.9	24.9	24	24	24.2
25		25.9	24.5	24.1	24.7	25.2	24	24	24.2
50		25	24.4	24	24.7	25.4	24	24	24.2
100		25.5	24	24.2	24.3	26.4	24	24	24.2



December 17, 2014

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms*" EPA-821-R-02-013. Results were as follows:

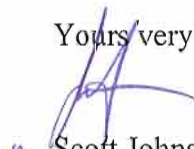
CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-FIL
DATE RECEIVED:	11/1/2014
ABC LAB. NO.:	VCF1114.012

CHRONIC CERIODAPHNIA SURVIVAL & REPRODUCTION BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

REPRODUCTION	NOEC =	100.00 %
	TU _c =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 12:00 (p 1 of 2)
 Test Code: VCF1114.012 | 09-9110-0813

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 15-1063-8525	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 15:22	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 14:30	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 01-8769-2690	Code: VCF1114.012	Client: VCWPD
Sample Date: 31 Oct-14 23:01	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 64h	Station: MO-FIL	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
04-5545-7937	7d Survival Rate	100	>100	NA	NA	1	Fisher Exact/Bonferroni-Holm Test
18-4828-4279	Reproduction	100	>100	NA	26.3%	1	Dunnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	%	95% LCL	95% UCL	TU	Method
09-4986-3647	7d Survival Rate	EC5	>100	N/A	N/A	<1	Linear Interpolation (ICPIN)
		EC10	>100	N/A	N/A	<1	
		EC15	>100	N/A	N/A	<1	
		EC20	>100	N/A	N/A	<1	
		EC25	>100	N/A	N/A	<1	
		EC40	>100	N/A	N/A	<1	
02-9725-0187	Reproduction	IC5	>100	N/A	N/A	<1	Linear Interpolation (ICPIN)
		IC10	>100	N/A	N/A	<1	
		IC15	>100	N/A	N/A	<1	
		IC20	>100	N/A	N/A	<1	
		IC25	>100	N/A	N/A	<1	
		IC40	>100	N/A	N/A	<1	

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
04-5545-7937	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
09-4986-3647	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
02-9725-0187	Reproduction	Control Resp	22.5	15 - NL	Yes	Passes Acceptability Criteria
18-4828-4279	Reproduction	Control Resp	22.5	15 - NL	Yes	Passes Acceptability Criteria
18-4828-4279	Reproduction	PMSD	0.2627	0.13 - 0.47	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	10	1	1	1	1	1	0	0	0.0%	0.0%
6.25		10	0.9	0.6738	1	0	1	0.1	0.3162	35.14%	10.0%
12.5		10	1	1	1	1	1	0	0	0.0%	0.0%
25		10	1	1	1	1	1	0	0	0.0%	0.0%
50		10	1	1	1	1	1	0	0	0.0%	0.0%
100		10	1	1	1	1	1	0	0	0.0%	0.0%

Reproduction Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	10	22.5	20.28	24.72	19	28	0.9804	3.1	13.78%	0.0%
6.25		10	25.3	21.57	29.03	20	37	1.647	5.208	20.58%	-12.44%
12.5		10	23.2	18.51	27.89	11	30	2.075	6.563	28.29%	-3.11%
25		10	28	24.05	31.95	21	38	1.745	5.518	19.71%	-24.44%
50		10	29.3	25.54	33.06	21	35	1.66	5.25	17.92%	-30.22%
100		10	26.8	21.16	32.44	16	38	2.494	7.885	29.42%	-19.11%

CETIS Summary Report

Report Date: 17 Dec-14 12:00 (p 2 of 2)

Test Code: VCF1114.012 | 09-9110-0813

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Contro	1	1	1	1	1	1	1	1	1	1
6.25		0	1	1	1	1	1	1	1	1	1
12.5		1	1	1	1	1	1	1	1	1	1
25		1	1	1	1	1	1	1	1	1	1
50		1	1	1	1	1	1	1	1	1	1
100		1	1	1	1	1	1	1	1	1	1

Reproduction Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Contro	19	22	28	21	26	20	24	19	25	21
6.25		21	37	29	26	20	21	24	22	29	24
12.5		30	27	15	11	19	29	30	26	24	21
25		21	27	30	33	21	38	29	22	28	31
50		23	35	29	34	30	34	30	23	21	34
100		35	32	21	31	38	30	29	19	17	16

7d Survival Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Contro	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
6.25		0/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
12.5		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
25		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
50		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
100		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1

CETIS Analytical Report

Report Date: 17 Dec-14 12:00 (p 1 of 2)

Test Code: VCF1114.012 | 09-9110-0813

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 18-4828-4279	Endpoint: Reproduction	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:25	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 15-1063-8525	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 15:22	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 14:30	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 01-8769-2690	Code: VCF1114.012	Client: VCWPD
Sample Date: 31 Oct-14 23:01	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 64h	Station: MO-FIL	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	26.3%	100	>100	NA	1

Dunnnett Multiple Comparison Test

Control	vs C-%	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control	6.25	-1.084	2.289	5.911	18	0.9878	CDF	Non-Significant Effect
	12.5	-0.2711	2.289	5.911	18	0.9015	CDF	Non-Significant Effect
	25	-2.13	2.289	5.911	18	0.9997	CDF	Non-Significant Effect
	50	-2.634	2.289	5.911	18	1.0000	CDF	Non-Significant Effect
	100	-1.665	2.289	5.911	18	0.9982	CDF	Non-Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	22.5	15 - NL	Yes	Passes Acceptability Criteria
PMSD	0.2627	0.13 - 0.47	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	359.75	71.95	5	2.159	0.0723	Non-Significant Effect
Error	1799.9	33.33148	54			
Total	2159.65		59			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	7.337	15.09	0.1967	Equal Variances
Variances	Mod Levene Equality of Variance	1.336	3.377	0.2630	Equal Variances
Variances	Levene Equality of Variance	2.389	3.377	0.0498	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9863	0.9459	0.7381	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.06709	0.1331	0.6995	Normal Distribution
Distribution	D'Agostino Skewness	0.3689	2.576	0.7122	Normal Distribution
Distribution	D'Agostino Kurtosis	0.9133	2.576	0.3611	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	0.9702	9.21	0.6156	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.2981	3.878	0.6176	Normal Distribution

Reproduction Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	10	22.5	20.28	24.72	21.5	19	28	0.9804	13.78%	0.0%
6.25		10	25.3	21.57	29.03	24	20	37	1.647	20.58%	-12.44%
12.5		10	23.2	18.51	27.89	25	11	30	2.075	28.29%	-3.11%
25		10	28	24.05	31.95	28.5	21	38	1.745	19.71%	-24.44%
50		10	29.3	25.54	33.06	30	21	35	1.66	17.92%	-30.22%
100		10	26.8	21.16	32.44	29.5	16	38	2.494	29.42%	-19.11%

CETIS Analytical Report

Report Date: 17 Dec-14 12:00 (p 2 of 2)

Test Code: VCF1114.012 | 09-9110-0813

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 18-4828-4279

Endpoint: Reproduction

CETIS Version: CETISv1.8.7

Analyzed: 17 Dec-14 11:25

Analysis: Parametric-Control vs Treatments

Official Results: Yes

Reproduction Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Control	19	22	28	21	26	20	24	19	25	21
6.25		21	37	29	26	20	21	24	22	29	24
12.5		30	27	15	11	19	29	30	26	24	21
25		21	27	30	33	21	38	29	22	28	31
50		23	35	29	34	30	34	30	23	21	34
100		35	32	21	31	38	30	29	19	17	16

CETIS Measurement Report

Report Date: 17 Dec-14 12:00 (p 1 of 2)
 Test Code: VCF1114.012 | 09-9110-0813

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 15-1063-8525	Test Type: Reproduction-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 15:22	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 14:30	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 23h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 01-8769-2690	Code: VCF1114.012	Client: VCWPD
Sample Date: 31 Oct-14 23:01	Material: Sample Water	Project: NPDES Stormwater Wet Season
Receive Date: 01 Nov-14 05:11	Source: Bioassay Report	
Sample Age: 64h	Station: MO-FIL	

Alkalinity (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	67.5	66.73	68.27	67	69	0.3273	0.9258	1.37%	0
100		8	92	92	92	92	92	0	0	0.0%	0
Overall		16	79.75			67	92				0 (0%)

Conductivity-µmhos

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	332.6	328.2	337.1	328	344	1.889	5.344	1.61%	0
6.25		8	327.6	322.5	332.8	321	341	2.179	6.163	1.88%	0
12.5		8	357.6	347.6	367.7	346	376	4.242	12	3.36%	0
25		8	358.8	341.9	375.6	340	402	7.141	20.2	5.63%	0
50		8	489	478.8	499.2	472	514	4.297	12.15	2.49%	0
100		8	649.3	635.6	662.9	628	676	5.787	16.37	2.52%	0
Overall		48	419.1			321	676				0 (0%)

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.85	7.586	8.114	7.6	8.4	0.1118	0.3162	4.03%	0
6.25		8	7.363	6.808	7.917	6.1	8.5	0.2345	0.6632	9.01%	0
12.5		8	7.163	6.628	7.697	6.3	8	0.2259	0.6391	8.92%	0
25		8	6.825	6.278	7.372	6	7.7	0.2313	0.6541	9.58%	0
50		8	6.763	6.115	7.41	5.7	7.6	0.2738	0.7745	11.45%	0
100		8	6.3	5.367	7.233	4.8	7.9	0.3946	1.116	17.72%	0
Overall		48	7.044			4.8	8.5				0 (0%)

Hardness (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	83.25	78.22	88.28	80	93	2.128	6.018	7.23%	0
100		8	199	199	199	199	199	0	0	0.0%	0
Overall		16	141.1			80	199				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.813	7.668	7.957	7.6	8.2	0.06106	0.1727	2.21%	0
6.25		8	7.738	7.597	7.878	7.4	7.9	0.05957	0.1685	2.18%	0
12.5		8	7.625	7.493	7.757	7.3	7.8	0.0559	0.1581	2.07%	0
25		8	7.588	7.466	7.709	7.3	7.8	0.05154	0.1458	1.92%	0
50		8	7.488	7.393	7.582	7.3	7.6	0.03981	0.1126	1.5%	0
100		8	7.288	7.143	7.432	7	7.5	0.06105	0.1727	2.37%	0
Overall		48	7.59			7	8.2				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 12:00 (p 2 of 2)
 Test Code: VCF1114.012 | 09-9110-0813

Ceriodaphnia 7-d Survival and Reproduction Test Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.54	24.06	25.02	24	25.5	0.2035	0.5755	2.35%	0
6.25		8	24.65	24.21	25.09	24	25.5	0.188	0.5319	2.16%	0
12.5		8	24.54	24.19	24.89	24	25	0.1487	0.4207	1.71%	0
25		8	24.58	24.01	25.14	24	25.9	0.2389	0.6756	2.75%	0
50		8	24.46	24.02	24.9	24	25.4	0.1861	0.5263	2.15%	0
100		8	24.58	23.83	25.32	24	26.4	0.3144	0.8892	3.62%	0
Overall		48	24.56			24	26.4				0 (0%)

Alkalinity (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	67	67	67	67	67	67	69	69
100		92	92	92	92	92	92	92	92

Conductivity-µmhos

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	331	337	332	328	329	330	330	344
6.25		326	321	324	330	323	328	328	341
12.5		347	347	346	375	357	358	355	376
25		375	354	351	353	348	347	340	402
50		488	481	472	495	490	486	486	514
100		637	630	628	656	659	655	653	676

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.6	7.7	7.6	8.3	7.8	7.7	8.4	7.7
6.25		7.7	7.2	7.2	8.5	7.4	7.3	7.5	6.1
12.5		7.8	7.6	6.3	8	7.3	7	7	6.3
25		7.7	7.6	6	7.3	6.4	6.8	6.1	6.7
50		7.6	7.6	5.7	7.3	6	6.5	6.1	7.3
100		7.9	7.6	4.8	6.3	4.9	6.2	6	6.7

Hardness (CaCO3)-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	80	80	80	80	80	80	93	93
100		199	199	199	199	199	199	199	199

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.8	8.2	7.8	7.8	7.7	7.8	7.8	7.6
6.25		7.7	7.6	7.9	7.9	7.8	7.8	7.8	7.4
12.5		7.7	7.6	7.8	7.5	7.7	7.7	7.7	7.3
25		7.7	7.6	7.8	7.5	7.6	7.6	7.6	7.3
50		7.6	7.6	7.6	7.4	7.5	7.4	7.5	7.3
100		7	7.5	7.4	7.1	7.4	7.3	7.4	7.2

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	25.5	25.1	24.8	24	24.7	24	24	24.2
6.25		25.5	24.8	24.9	24.9	24.9	24	24	24.2
12.5		25	24.8	24.5	24.9	24.9	24	24	24.2
25		25.9	24.5	24.1	24.7	25.2	24	24	24.2
50		25	24.4	24	24.7	25.4	24	24	24.2
100		25.5	24	24.2	24.3	26.4	24	24	24.2



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season

Toxicity - ABC Laboratories *Side 2 of 2*

Sampling Date: 11-1-14 Project Number: 2014/15-1 (Wet)

Sampling Team: AEA, JM, BS, Kevin, KH, SG

2.0 Ammonia
 2.0 Chloride
 9.0
 1.0
 2.0
 9.3

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
MO-OXN .007	10/31/14 23:25 01:20					X			2	Note 1, Note 2, Note 3 BS, Kevin 9.2 °C
MO-HUE .008	11/1/14 03:15						X		3	Note 1, Note 2, Note 3, Note 4 KH, SG 11.3 °C
MO-THO .009	11-1-14 02:02						X		2	Note 1, Note 2, Note 3 AEA, JM 11.3 °C
MO-MPK .010	11-1-14 00:06							X	2	Note 1, Note 2, Note 3 AEA, JM 9.4 °C
MO-SIM .011	11-1-14 01:11						X		2	Note 1, Note 2, Note 3 AEA, JM 8.8 °C
MO-FIL .012	10-31-14 11:01						X		2	Note 1, Note 2, Note 3 AEA, JM 10.3 °C
MO-SPA						X			2	Note 1, Note 2, Note 3 BS, Kevin

Relinquished Printed Name KELLY HATHS
 Signature [Signature]
 Affiliation VCDPD Date/Time 11/1/14

Received Printed Name Michael MacKuback
 Signature [Signature]
 Affiliation ARCL Date/Time 11/1/14 05:11

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
 Note 3: Notify District within 24 hours if significant toxicity is observed.
 Note 4: If salinity > 2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use *Hyaella*



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season

Toxicity - ABC Laboratories Side 1 of 2

Sampling Date: SEE SIDE 2

Project Number: 2014/15-1 (Wet)

Sampling Team: SEE SIDE 2

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-CC .001	11/1/14 01:20	X							2	Note 1, Note 2, Note 3 BS, Kevin 9.4°C
ME-SCR					X				1	Note 1, Note 2, Note 3 No fish
ME-VR2 .002	11/1/14 00:00	X							2	Note 1, Note 2, Note 3 KH, SG 9.4°C
MO-CAM .003	11/1/14 00:25					X			2	Note 1, Note 2, Note 3 BS, Kevin 9.5°C
MO-OJA .004	11/1/14 01:40					X			2	Note 1, Note 2, Note 3 KH, SG 9.4°C
MO-MEI .005	11/1/14 00:55					X			2	Note 1, Note 2, Note 3 KH, SG 10.5°C
MO-VEN .006	10/31/14 22:45						X		2	Note 1, Note 2, Note 3 KH, SG 8.6°C

Relinquished Printed Name _____
 Signature _____
 Affiliation _____ Date/Time _____

Received Printed Name SEE SIDE 2
 Signature _____
 Affiliation _____ Date/Time _____

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
Note 3: Notify District within 24 hours if significant toxicity is observed.



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season

Toxicity - ABC Laboratories Side 2 of 2

Sampling Date: 11-1-14 Project Number: 2014/15-1 (Wet)

Sampling Team: AEA, JM, BS, Kevin, KH, SG

11/1/14
Cilwabe

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
MO-OXN .007	10/31/14 23:25 0120					X			2	Note 1, Note 2, Note 3 BS, Kevin 9.2 °C
MO-HUE .008	11/1/14 0315						X		3	Note 1, Note 2, Note 3, Note 4 KH, SG 11: °C
MO-THO .009	11-1-14 12:02						X		2	Note 1, Note 2, Note 3 AEA, JM 11.3 °C
MO-MPK .010	11-1-14 00:06							X	2	Note 1, Note 2, Note 3 AEA, JM 9.4 °C
MO-SIM .011	11-1-14 01:11						X		2	Note 1, Note 2, Note 3 AEA, JM 8.8 °C
MO-FIL .012	10-31-14 11:01						X		2	Note 1, Note 2, Note 3 AEA, JM 10.3 °C
MO-SPA	_____	_____	_____	_____	_____	X	_____	_____	2	Note 1, Note 2, Note 3 BS, Kevin

Relinquished Printed Name KELLY HATHS
 Signature [Signature]
 Affiliation VCEWPD Date/Time 11/1/14

Received Printed Name Michael MacKuzak
 Signature [Signature]
 Affiliation ARCL Date/Time 11/1/14 05:11

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
 Note 3: Notify District within 24 hours if significant toxicity is observed.
 Note 4: If salinity > 2 ppt then also run topsmelt for comparison. If topsmelt unavailable, use *Hyalella*

**REFERENCE TOXICANT TEST DATA SUMMARY, ANALYTICAL DATA, AND
WATER QUALITY MEASUREMENTS**



CHRONIC FATHEAD MINNOW SURVIVAL AND GROWTH BIOASSAY

DATE: 1 November 2014

STANDARD TOXICANT: Copper Chloride

ENDPOINT: SURVIVAL

NOEC = 38.00 ug/l

EC25 = 60.10 ug/l

EC50 = 98.44 ug/l


ENDPOINT: GROWTH

NOEC = 19.00 ug/l

IC25 = 31.22 ug/l

IC50 = 59.22 ug/l

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 11:49 (p 1 of 2)
 Test Code: FML110114 | 19-7867-3823

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 10-6237-2809	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 01 Nov-14 13:01	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14 11:10	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 21-1693-7383	Code: FML110114	Client: ABC Labs
Sample Date: 01 Nov-14	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: 13h	Station: REF TOX	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
08-4734-5216	7d Survival Rate	38	75	53.39	10.5%		Dunnett Multiple Comparison Test
14-1225-4245	Mean Dry Biomass-mg	19	38	26.87	16.2%		Dunnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	µg/L	95% LCL	95% UCL	TU	Method
00-3258-4203	7d Survival Rate	EC5	33.01	18	49.49		Linear Interpolation (ICPIN)
		EC10	41.91	25.52	53.42		
		EC15	47.97	32.02	59.35		
		EC20	54.03	42.04	66.05		
		EC25	60.1	49.67	74.08		
		EC40	80	65.84	98.57		
13-8133-3806	Mean Dry Biomass-mg	IC5	15.3	N/A	25.97		Linear Interpolation (ICPIN)
		IC10	20.12	7.492	28.07		
		IC15	23.82	12.5	31.03		
		IC20	27.52	14.95	34.2		
		IC25	31.22	20.87	37.57		
		IC40	45.82	33.01	55.47		
		IC50	59.22	48.51	69.47		

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
00-3258-4203	7d Survival Rate	Control Resp	0.9667	0.8 - NL	Yes	Passes Acceptability Criteria
08-4734-5216	7d Survival Rate	Control Resp	0.9667	0.8 - NL	Yes	Passes Acceptability Criteria
13-8133-3806	Mean Dry Biomass-mg	Control Resp	0.3497	0.25 - NL	Yes	Passes Acceptability Criteria
14-1225-4245	Mean Dry Biomass-mg	Control Resp	0.3497	0.25 - NL	Yes	Passes Acceptability Criteria
14-1225-4245	Mean Dry Biomass-mg	PMSD	0.1616	0.12 - 0.3	Yes	Passes Acceptability Criteria

7d Survival Rate Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	4	0.9667	0.8606	1	0.8667	1	0.03333	0.06667	6.9%	0.0%
10		4	1	1	1	1	1	0	0	0.0%	-3.45%
19		4	0.9833	0.9303	1	0.9333	1	0.01667	0.03333	3.39%	-1.72%
38		4	0.9167	0.7575	1	0.8	1	0.05	0.1	10.91%	5.17%
75		4	0.6167	0.4832	0.7501	0.5333	0.7333	0.04194	0.08389	13.6%	36.21%
150		4	0.2167	0.05754	0.3758	0.1333	0.3333	0.05	0.1	46.15%	77.59%

Mean Dry Biomass-mg Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	4	0.3497	0.2646	0.4347	0.284	0.4013	0.02673	0.05346	15.29%	0.0%
10		4	0.3733	0.3079	0.4387	0.334	0.4133	0.02055	0.04111	11.01%	-6.77%
19		4	0.3308	0.2743	0.3874	0.2893	0.3747	0.01776	0.03552	10.74%	5.39%
38		4	0.238	0.2231	0.2529	0.228	0.246	0.00469	0.009381	3.94%	31.94%
75		4	0.1382	0.106	0.1703	0.1173	0.1647	0.0101	0.0202	14.62%	60.49%
150		4	0.02533	-0.00267	0.05333	0.006667	0.04133	0.008798	0.0176	69.46%	92.76%

CETIS Analytical Report

Report Date: 17 Dec-14 11:49 (p 1 of 4)
 Test Code: FML110114 | 19-7867-3823

Fathead Minnow 7-d Larval Survival and Growth Test Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-4734-5216	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:18	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 10-6237-2809	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 01 Nov-14 13:01	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14 11:10	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 21-1693-7383	Code: FML110114	Client: ABC Labs
Sample Date: 01 Nov-14	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: 13h	Station: REF TOX	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Angular (Corrected)	NA	C > T	NA	NA	10.5%	38	75	53.39	

Dunnett Multiple Comparison Test

Control	vs C-µg/L	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control	10	-0.793	2.407	0.185	6	0.9703	CDF	Non-Significant Effect
	19	-0.3656	2.407	0.185	6	0.9186	CDF	Non-Significant Effect
	38	1.085	2.407	0.185	6	0.3851	CDF	Non-Significant Effect
	75*	6.173	2.407	0.185	6	<0.0001	CDF	Significant Effect
	150*	11.73	2.407	0.185	6	<0.0001	CDF	Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.9667	0.8 - NL	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	2.960092	0.5920183	5	49.89	<0.0001	Significant Effect
Error	0.2135984	0.01186658	18			
Total	3.17369		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Mod Levene Equality of Variance	2.327	4.248	0.0851	Equal Variances
Variances	Levene Equality of Variance	6.082	4.248	0.0018	Unequal Variances
Distribution	Shapiro-Wilk W Normality	0.9456	0.884	0.2173	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.1314	0.2056	0.3464	Normal Distribution
Distribution	D'Agostino Skewness	0.7124	2.576	0.4762	Normal Distribution
Distribution	D'Agostino Kurtosis	0.5071	2.576	0.6121	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	0.7647	9.21	0.6823	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.5086	3.878	0.2026	Normal Distribution

7d Survival Rate Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	0.9667	0.8606	1	1	0.8667	1	0.03333	6.9%	0.0%
10		4	1	1	1	1	1	1	0	0.0%	-3.45%
19		4	0.9833	0.9303	1	1	0.9333	1	0.01667	3.39%	-1.72%
38		4	0.9167	0.7575	1	0.9333	0.8	1	0.05	10.91%	5.17%
75		4	0.6167	0.4832	0.7501	0.6	0.5333	0.7333	0.04194	13.6%	36.21%
150		4	0.2167	0.05754	0.3758	0.2	0.1333	0.3333	0.05	46.15%	77.59%

CETIS Analytical Report

Report Date: 17 Dec-14 11:49 (p 3 of 4)
 Test Code: FML110114 | 19-7867-3823

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 14-1225-4245	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:18	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 10-6237-2809	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 01 Nov-14 13:01	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14 11:10	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 21-1693-7383	Code: FML110114	Client: ABC Labs
Sample Date: 01 Nov-14	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: 13h	Station: REF TOX	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	16.2%	19	38	26.87	

Dunnett Multiple Comparison Test

Control	vs	C-µg/L	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		10	-1.008	2.407	0.057	6	0.9831	CDF	Non-Significant Effect
		19	0.8021	2.407	0.057	6	0.5112	CDF	Non-Significant Effect
		38*	4.756	2.407	0.057	6	0.0004	CDF	Significant Effect
		75*	9.008	2.407	0.057	6	<0.0001	CDF	Significant Effect
		150*	13.81	2.407	0.057	6	<0.0001	CDF	Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.3497	0.25 - NL	Yes	Passes Acceptability Criteria
PMSD	0.1616	0.12 - 0.3	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.3778875	0.0755775	5	68.55	<0.0001	Significant Effect
Error	0.01984555	0.001102531	18			
Total	0.397733		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	8.704	15.09	0.1215	Equal Variances
Variances	Mod Levene Equality of Variance	4.286	4.248	0.0096	Unequal Variances
Variances	Levene Equality of Variance	4.658	4.248	0.0067	Unequal Variances
Distribution	Shapiro-Wilk W Normality	0.983	0.884	0.9447	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.08092	0.2056	1.0000	Normal Distribution
Distribution	D'Agostino Skewness	0.3868	2.576	0.6989	Normal Distribution
Distribution	D'Agostino Kurtosis	0.1156	2.576	0.9080	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	0.163	9.21	0.9217	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.1829	3.878	0.9668	Normal Distribution

Mean Dry Biomass-mg Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	0.3497	0.2646	0.4347	0.3567	0.284	0.4013	0.02673	15.29%	0.0%
10		4	0.3733	0.3079	0.4387	0.373	0.334	0.4133	0.02055	11.01%	-6.77%
19		4	0.3308	0.2743	0.3874	0.3297	0.2893	0.3747	0.01776	10.74%	5.39%
38		4	0.238	0.2231	0.2529	0.239	0.228	0.246	0.00469	3.94%	31.94%
75		4	0.1382	0.106	0.1703	0.1353	0.1173	0.1647	0.0101	14.62%	60.49%
150		4	0.02533	-0.00267	0.05333	0.02667	0.006667	0.04133	0.008798	69.46%	92.76%

CETIS Analytical Report

Report Date: 17 Dec-14 11:49 (p 1 of 4)
 Test Code: FML110114 | 19-7867-3823

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 00-3258-4203	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:18	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 10-6237-2809	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 01 Nov-14 13:01	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14 11:10	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 21-1693-7383	Code: FML110114	Client: ABC Labs
Sample Date: 01 Nov-14	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: 13h	Station: REF TOX	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.9667	0.8 - NL	Yes	Passes Acceptability Criteria

Point Estimates

Level	µg/L	95% LCL	95% UCL
EC5	33.01	18	49.49
EC10	41.91	25.52	53.42
EC15	47.97	32.02	59.35
EC20	54.03	42.04	66.05
EC25	60.1	49.67	74.08
EC40	80	65.84	98.57
EC50	98.44	80.94	113.4

7d Survival Rate Summary

Calculated Variate(A/B)

C-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Negative Control	4	0.9667	0.8667	1	0.03333	0.06667	6.9%	0.0%	58	60
10		4	1	1	1	0	0	0.0%	-3.45%	60	60
19		4	0.9833	0.9333	1	0.01667	0.03333	3.39%	-1.72%	59	60
38		4	0.9167	0.8	1	0.05	0.1	10.91%	5.17%	55	60
75		4	0.6167	0.5333	0.7333	0.04194	0.08389	13.6%	36.21%	37	60
150		4	0.2167	0.1333	0.3333	0.05	0.1	46.15%	77.59%	13	60

7d Survival Rate Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	1	1	1	0.8667
10		1	1	1	1
19		1	1	0.9333	1
38		1	1	0.8	0.8667
75		0.7333	0.6	0.5333	0.6
150		0.1333	0.3333	0.1333	0.2667

7d Survival Rate Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	15/15	15/15	15/15	13/15
10		15/15	15/15	15/15	15/15
19		15/15	15/15	14/15	15/15
38		15/15	15/15	12/15	13/15
75		11/15	9/15	8/15	9/15
150		2/15	5/15	2/15	4/15

CETIS Analytical Report

Report Date: 17 Dec-14 11:49 (p 3 of 4)
 Test Code: FML110114 | 19-7867-3823

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 13-8133-3806	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:18	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 10-6237-2809	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 01 Nov-14 13:01	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14 11:10	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 21-1693-7383	Code: FML110114	Client: ABC Labs
Sample Date: 01 Nov-14	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: 13h	Station: REF TOX	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	1349480	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.3497	0.25 - NL	Yes	Passes Acceptability Criteria

Point Estimates

Level	µg/L	95% LCL	95% UCL
IC5	15.3	N/A	25.97
IC10	20.12	7.492	28.07
IC15	23.82	12.5	31.03
IC20	27.52	14.95	34.2
IC25	31.22	20.87	37.57
IC40	45.82	33.01	55.47
IC50	59.22	48.51	69.47

Mean Dry Biomass-mg Summary

Calculated Variate

C-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Control	4	0.3497	0.284	0.4013	0.02673	0.05346	15.29%	0.0%
10		4	0.3733	0.334	0.4133	0.02055	0.04111	11.01%	-6.77%
19		4	0.3308	0.2893	0.3747	0.01776	0.03552	10.74%	5.39%
38		4	0.238	0.228	0.246	0.00469	0.009381	3.94%	31.94%
75		4	0.1382	0.1173	0.1647	0.0101	0.0202	14.62%	60.49%
150		4	0.02533	0.006667	0.04133	0.008798	0.0176	69.46%	92.76%

Mean Dry Biomass-mg Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	0.3293	0.384	0.4013	0.284
10		0.404	0.4133	0.334	0.342
19		0.3747	0.338	0.2893	0.3213
38		0.246	0.246	0.228	0.232
75		0.1647	0.1413	0.1293	0.1173
150		0.006667	0.03933	0.014	0.04133

CETIS Measurement Report

Report Date: 17 Dec-14 11:49 (p 1 of 2)

Test Code: FML110114 | 19-7867-3823

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 10-6237-2809	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 01 Nov-14 13:01	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 08 Nov-14 11:10	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 21-1693-7383	Code: FML110114	Client: ABC Labs
Sample Date: 01 Nov-14	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: 13h	Station: REF TOX	

Alkalinity (CaCO3)-mg/L

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	67	67	67	67	67	0	0	0.0%	0
150		8	69	69	69	69	69	0	0	0.0%	0
Overall		16	68			67	69				0 (0%)

Conductivity-µmhos

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	332.6	329.2	336.1	328	340	1.463	4.138	1.24%	0
10		8	331.8	326.6	336.9	321	341	2.169	6.135	1.85%	0
19		8	329.1	327.2	331.1	325	333	0.8332	2.357	0.72%	0
38		8	323.3	315.5	331	308	331	3.294	9.316	2.88%	0
75		8	325.4	320.2	330.5	313	333	2.171	6.14	1.89%	0
150		8	325.3	320.9	329.6	320	332	1.82	5.148	1.58%	0
Overall		48	327.9			308	341				0 (0%)

Dissolved Oxygen-mg/L

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.888	7.641	8.134	7.6	8.3	0.1043	0.2949	3.74%	0
10		8	8.175	8.059	8.291	8	8.4	0.0491	0.1389	1.7%	0
19		8	8.25	8.005	8.495	7.9	8.9	0.1035	0.2928	3.55%	0
38		8	8.25	8.005	8.495	7.9	8.9	0.1035	0.2928	3.55%	0
75		8	8.25	7.978	8.522	7.9	9	0.115	0.3251	3.94%	0
150		8	8.263	7.966	8.559	7.9	9	0.1253	0.3543	4.29%	0
Overall		48	8.179			7.6	9				0 (0%)

Hardness (CaCO3)-mg/L

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	82.75	78.49	87.01	80	91	1.8	5.092	6.15%	0
150		8	96	96	96	96	96	0	0	0.0%	0
Overall		16	89.38			80	96				0 (0%)

pH-Units

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.913	7.768	8.057	7.7	8.2	0.06106	0.1727	2.18%	0
10		8	7.863	7.722	8.003	7.6	8.1	0.05957	0.1685	2.14%	0
19		8	7.863	7.722	8.003	7.6	8.1	0.05957	0.1685	2.14%	0
38		8	7.838	7.69	7.985	7.6	8.1	0.0625	0.1768	2.26%	0
75		8	7.838	7.69	7.985	7.6	8.1	0.0625	0.1768	2.26%	0
150		8	8.113	7.921	8.304	7.8	8.5	0.08115	0.2295	2.83%	0
Overall		48	7.904			7.6	8.5				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:49 (p 2 of 2)
 Test Code: FML110114 | 19-7867-3823

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.23	24.01	24.44	24	24.8	0.09013	0.2549	1.05%	0
10		8	24.16	23.93	24.39	24	24.8	0.09808	0.2774	1.15%	0
19		8	24.19	23.94	24.44	24	24.8	0.106	0.2997	1.24%	0
38		8	24.21	23.93	24.49	24	24.8	0.1187	0.3357	1.39%	0
75		8	24.24	23.94	24.53	24	24.8	0.1253	0.3543	1.46%	0
150		8	24.24	23.94	24.53	24	24.8	0.1253	0.3543	1.46%	0
Overall		48	24.21			24	24.8				0 (0%)

Alkalinity (CaCO3)-mg/L

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	67	67	67	67	67	67	67	67
150		69	69	69	69	69	69	69	69

Conductivity-µmhos

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	340	334	331	337	332	328	329	330
10		330	331	341	331	334	338	321	328
19		328	333	325	329	331	330	329	328
38		321	330	329	328	329	331	308	310
75		323	323	313	328	333	327	331	325
150		324	325	320	330	332	331	320	320

Dissolved Oxygen-mg/L

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	8	8.2	7.6	7.7	7.6	8.3	7.6	8.1
10		8.4	8.3	8.2	8.2	8.1	8	8.2	8
19		8.3	8.3	8.2	8.1	8.1	8.9	8.2	7.9
38		8.3	8.3	8.2	8.1	8.1	8.9	8.2	7.9
75		8.3	8.2	8.2	8.1	8.1	9	8.2	7.9
150		8.5	8.2	8.2	7.9	8.2	9	8.2	7.9

Hardness (CaCO3)-mg/L

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	91	91	80	80	80	80	80	80
150		96	96	96	96	96	96	96	96

pH-Units

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	8.1	8	7.8	8.2	7.8	7.8	7.7	7.9
10		8.1	8	8	7.9	7.8	7.6	7.8	7.7
19		8.1	8	8	7.9	7.8	7.6	7.8	7.7
38		8.1	8	7.9	7.9	7.8	7.6	7.8	7.6
75		8.1	8	7.9	7.9	7.8	7.6	7.8	7.6
150		8.5	8.2	8.2	7.9	7.8	8.2	8.2	7.9

Temperature-°C

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	24.3	24	24.2	24.2	24.2	24.1	24.8	24
10		24.3	24	24.1	24	24.1	24	24.8	24
19		24.5	24	24.1	24	24.1	24	24.8	24
38		24.7	24	24.1	24	24.1	24	24.8	24
75		24.8	24	24.2	24	24.1	24	24.8	24
150		24.8	24	24.2	24	24.1	24	24.8	24



CHRONIC TOPSMELT SURVIVAL AND GROWTH BIOASSAY

DATE: 3 November - 2014

STANDARD TOXICANT: Copper Chloride

ENDPOINT: SURVIVAL

NOEC = 56.00 ug/l

EC25 = 79.10 ug/l

EC50 = 112.00 ug/l

ENDPOINT: GROWTH

NOEC = 100.00 ug/l

IC25 = 95.07 ug/l

IC50 = 134.60 ug/l

Yours very truly,

Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 11:53 (p 1 of 2)
 Test Code: TOPS110314 | 04-6870-3411

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 01-2901-4884	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 11:20	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 09:50	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 20-7270-4314	Code: TOPS110314	Client: ABC Labs
Sample Date: 03 Nov-14	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: 11h	Station: REF TOX	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
08-3523-6947	7d Survival Rate	56	100	74.83	28.6%		Steel Many-One Rank Sum Test
08-9235-7800	Mean Dry Biomass-mg	100	180	134.2	41.4%		Dunnnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	µg/L	95% LCL	95% UCL	TU	Method
11-9387-8715	7d Survival Rate	EC5	57.1	6.45	71.95		Linear Interpolation (ICPIN)
		EC10	62.6	38.7	85.7		
		EC15	68.1	57.65	110.5		
		EC20	73.6	60.4	121.2		
		EC25	79.1	63.7	128.4		
		EC40	95.6	70.05	147.2		
09-4063-4313	Mean Dry Biomass-mg	IC5	63.81	0.1464	126.2		Linear Interpolation (ICPIN)
		IC10	71.63	28.29	130.4		
		IC15	79.44	51.36	134.8		
		IC20	87.25	57.38	139.2		
		IC25	95.07	58.95	143.5		
		IC40	118.8	63.07	158.7		
IC50	134.6	66.22	171				

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
08-3523-6947	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
11-9387-8715	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
08-9235-7800	Mean Dry Biomass-mg	Control Resp	0.9712	0.85 - NL	Yes	Passes Acceptability Criteria
09-4063-4313	Mean Dry Biomass-mg	Control Resp	0.9712	0.85 - NL	Yes	Passes Acceptability Criteria
08-3523-6947	7d Survival Rate	PMSD	0.2859	NL - 0.25	No	Above Acceptability Criteria
08-9235-7800	Mean Dry Biomass-mg	PMSD	0.4141	NL - 0.5	No	Passes Acceptability Criteria

7d Survival Rate Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	5	1	1	1	1	1	0	0	0.0%	0.0%
56		5	0.96	0.8489	1	0.8	1	0.04	0.08944	9.32%	4.0%
100		5	0.56	0.08232	1	0	1	0.172	0.3847	68.7%	44.0%
180		5	0.16	0	0.3678	0	0.4	0.07483	0.1673	104.6%	84.0%
320		5	0	0	0	0	0	0	0		100.0%
560		5	0	0	0	0	0	0	0		100.0%

Mean Dry Biomass-mg Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	5	0.9712	0.6755	1.267	0.658	1.31	0.1065	0.2381	24.52%	0.0%
56		5	1.022	0.8625	1.181	0.846	1.206	0.05744	0.1284	12.57%	-5.23%
100		5	0.716	0.1552	1.277	0	1.2	0.202	0.4516	63.08%	26.28%
180		5	0.2128	-0.06186	0.4875	0	0.49	0.09892	0.2212	103.9%	78.09%
320		5	0	0	0	0	0	0	0		100.0%
560		5	0	0	0	0	0	0	0		100.0%

CETIS Summary Report

Report Date: 17 Dec-14 11:53 (p 2 of 2)
 Test Code: TOPS110314 | 04-6870-3411

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Contro	1	1	1	1	1
56		1	1	1	0.8	1
100		1	0	0.4	0.8	0.6
180		0.4	0.2	0	0.2	0
320		0	0	0	0	0
560		0	0	0	0	0

Mean Dry Biomass-mg Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Contro	0.658	0.874	0.976	1.31	1.038
56		0.992	1.036	1.206	0.846	1.03
100		1.2	0	0.724	0.976	0.68
180		0.49	0.38	0	0.194	0
320		0	0	0	0	0
560		0	0	0	0	0

7d Survival Rate Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Contro	5/5	5/5	5/5	5/5	5/5
56		5/5	5/5	5/5	4/5	5/5
100		5/5	0/5	2/5	4/5	3/5
180		2/5	1/5	0/5	1/5	0/5
320		0/5	0/5	0/5	0/5	0/5
560		0/5	0/5	0/5	0/5	0/5

CETIS Analytical Report

Report Date: 17 Dec-14 11:53 (p 1 of 4)

Test Code: TOPS110314 | 04-6870-3411

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-3523-6947	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:20	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes
Batch ID: 01-2901-4884	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 11:20	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 09:50	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 20-7270-4314	Code: TOPS110314	Client: ABC Labs
Sample Date: 03 Nov-14	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: 11h	Station: REF TOX	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Angular (Corrected)	NA	C > T	NA	NA	28.6%	56	100	74.83	

Steel Many-One Rank Sum Test

Control	vs	C-µg/L	Test Stat	Critical	Ties	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		56	25	17	1	8	0.5314	Asymp	Non-Significant Effect
		100*	17.5	17	1	8	0.0470	Asymp	Significant Effect
		180*	15	17	0	8	0.0123	Asymp	Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
PMSD	0.2859	NL - 0.25	No	Above Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	2.865909	0.9553031	3	16.53	<0.0001	Significant Effect
Error	0.9246628	0.05779143	16			
Total	3.790572		19			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Mod Levene Equality of Variance	6.155	5.953	0.0089	Unequal Variances
Variances	Levene Equality of Variance	5.099	5.292	0.0115	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.8677	0.866	0.0107	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.2585	0.2235	0.0011	Non-normal Distribution
Distribution	D'Agostino Skewness	1.189	2.576	0.2346	Normal Distribution
Distribution	D'Agostino Kurtosis	2.321	2.576	0.0203	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	6.802	9.21	0.0333	Normal Distribution
Distribution	Anderson-Darling A2 Normality	1.424	3.878	0.0005	Non-normal Distribution

7d Survival Rate Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	5	1	1	1	1	1	1	0	0.0%	0.0%
56		5	0.96	0.8489	1	1	0.8	1	0.04	9.32%	4.0%
100		5	0.56	0.08232	1	0.6	0	1	0.172	68.7%	44.0%
180		5	0.16	0	0.3678	0.2	0	0.4	0.07483	104.6%	84.0%
320		5	0	0	0	0	0	0	0		100.0%
560		5	0	0	0	0	0	0	0		100.0%

CETIS Analytical Report

Report Date: 17 Dec-14 11:53 (p 3 of 4)

Test Code: TOPS110314 | 04-6870-3411

Pacific Topsmelt 7-d Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID: 08-9235-7800	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7		Official Results: Yes			
Analyzed: 17 Dec-14 11:20	Analysis: Parametric-Control vs Treatments						
Batch ID: 01-2901-4884	Test Type: Growth-Survival (7d)	Analyst: Joe Freas					
Start Date: 03 Nov-14 11:20	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater					
Ending Date: 10 Nov-14 09:50	Species: Atherinops affinis	Brine: Not Applicable					
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:					
Sample ID: 20-7270-4314	Code: TOPS110314	Client: ABC Labs					
Sample Date: 03 Nov-14	Material: Copper chloride	Project: REF TOX					
Receive Date:	Source: Reference Toxicant						
Sample Age: 11h	Station: REF TOX						

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	41.4%	100	180	134.2	

Dunnnett Multiple Comparison Test									
Control	vs	C-µg/L	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		56	-0.2813	2.227	0.402	8	0.8391	CDF	Non-Significant Effect
		100	1.413	2.227	0.402	8	0.1930	CDF	Non-Significant Effect
		180*	4.2	2.227	0.402	8	0.0009	CDF	Significant Effect

Test Acceptability Criteria				
Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.9712	0.85 - NL	Yes	Passes Acceptability Criteria
PMSD	0.4141	NL - 0.5	No	Passes Acceptability Criteria

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	2.055661	0.6852205	3	8.405	0.0014	Significant Effect
Error	1.304394	0.08152461	16			
Total	3.360055		19			

Distributional Tests					
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	5.63	11.34	0.1310	Equal Variances
Variances	Mod Levene Equality of Variance	1.736	5.953	0.2128	Equal Variances
Variances	Levene Equality of Variance	1.237	5.292	0.3290	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9486	0.866	0.3462	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.1454	0.2235	0.3272	Normal Distribution
Distribution	D'Agostino Skewness	1.433	2.576	0.1519	Normal Distribution
Distribution	D'Agostino Kurtosis	1.697	2.576	0.0896	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	4.935	9.21	0.0848	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.4651	3.878	0.2580	Normal Distribution

Mean Dry Biomass-mg Summary											
C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	5	0.9712	0.6755	1.267	0.976	0.658	1.31	0.1065	24.52%	0.0%
56		5	1.022	0.8625	1.181	1.03	0.846	1.206	0.05744	12.57%	-5.23%
100		5	0.716	0.1552	1.277	0.724	0	1.2	0.202	63.08%	26.28%
180		5	0.2128	-0.06186	0.4875	0.194	0	0.49	0.09892	103.9%	78.09%
320		5	0	0	0	0	0	0	0		100.0%
560		5	0	0	0	0	0	0	0		100.0%

CETIS Analytical Report

Report Date: 17 Dec-14 11:53 (p 4 of 4)

Test Code: TOPS110314 | 04-6870-3411

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 08-9235-7800
Analyzed: 17 Dec-14 11:20

Endpoint: Mean Dry Biomass-mg
Analysis: Parametric-Control vs Treatments

CETIS Version: CETISv1.8.7
Official Results: Yes

Mean Dry Biomass-mg Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	0.658	0.874	0.976	1.31	1.038
56		0.992	1.036	1.206	0.846	1.03
100		1.2	0	0.724	0.976	0.68
180		0.49	0.38	0	0.194	0
320		0	0	0	0	0
560		0	0	0	0	0

CETIS Analytical Report

Report Date: 17 Dec-14 11:53 (p 1 of 4)

Test Code: TOPS110314 | 04-6870-3411

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 11-9387-8715	Endpoint: 7d Survival Rate	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:20	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 01-2901-4884	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 11:20	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 09:50	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 20-7270-4314	Code: TOPS110314	Client: ABC Labs
Sample Date: 03 Nov-14	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: 11h	Station: REF TOX	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria

Point Estimates

Level	µg/L	95% LCL	95% UCL
EC5	57.1	6.45	71.95
EC10	62.6	38.7	85.7
EC15	68.1	57.65	110.5
EC20	73.6	60.4	121.2
EC25	79.1	63.7	128.4
EC40	95.6	70.05	147.2
EC50	112	70.31	162

7d Survival Rate Summary

Calculated Variate(A/B)

C-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Negative Control	5	1	1	1	0	0	0.0%	0.0%	25	25
56		5	0.96	0.8	1	0.04	0.08944	9.32%	4.0%	24	25
100		5	0.56	0	1	0.172	0.3847	68.7%	44.0%	14	25
180		5	0.16	0	0.4	0.07483	0.1673	104.6%	84.0%	4	25
320		5	0	0	0	0	0		100.0%	0	25
560		5	0	0	0	0	0		100.0%	0	25

7d Survival Rate Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	1	1	1	1	1
56		1	1	1	0.8	1
100		1	0	0.4	0.8	0.6
180		0.4	0.2	0	0.2	0
320		0	0	0	0	0
560		0	0	0	0	0

7d Survival Rate Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	5/5	5/5	5/5	5/5	5/5
56		5/5	5/5	5/5	4/5	5/5
100		5/5	0/5	2/5	4/5	3/5
180		2/5	1/5	0/5	1/5	0/5
320		0/5	0/5	0/5	0/5	0/5
560		0/5	0/5	0/5	0/5	0/5

CETIS Analytical Report

Report Date: 17 Dec-14 11:53 (p 2 of 4)
Test Code: TOPS110314 | 04-6870-3411

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 11-9387-8715 Endpoint: 7d Survival Rate
Analyzed: 17 Dec-14 11:20 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.8.7
Official Results: Yes

CETIS Analytical Report

Report Date: 17 Dec-14 11:53 (p 3 of 4)
 Test Code: TOPS110314 | 04-6870-3411

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 09-4063-4313	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7
Analyzed: 17 Dec-14 11:20	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 01-2901-4884	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 11:20	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 09:50	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 20-7270-4314	Code: TOPS110314	Client: ABC Labs
Sample Date: 03 Nov-14	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: 11h	Station: REF TOX	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	1505627	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.9712	0.85 - NL	Yes	Passes Acceptability Criteria

Point Estimates

Level	µg/L	95% LCL	95% UCL
IC5	63.81	0.1464	126.2
IC10	71.63	28.29	130.4
IC15	79.44	51.36	134.8
IC20	87.25	57.38	139.2
IC25	95.07	58.95	143.5
IC40	118.8	63.07	158.7
IC50	134.6	66.22	171

Mean Dry Biomass-mg Summary

Calculated Variate

C-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Control	5	0.9712	0.658	1.31	0.1065	0.2381	24.52%	0.0%
56		5	1.022	0.846	1.206	0.05744	0.1284	12.57%	-5.23%
100		5	0.716	0	1.2	0.202	0.4516	63.08%	26.28%
180		5	0.2128	0	0.49	0.09892	0.2212	103.9%	78.09%
320		5	0	0	0	0	0		100.0%
560		5	0	0	0	0	0		100.0%

Mean Dry Biomass-mg Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
0	Negative Control	0.658	0.874	0.976	1.31	1.038
56		0.992	1.036	1.206	0.846	1.03
100		1.2	0	0.724	0.976	0.68
180		0.49	0.38	0	0.194	0
320		0	0	0	0	0
560		0	0	0	0	0

CETIS Measurement Report

Report Date: 17 Dec-14 11:53 (p 1 of 2)

Test Code: TOPS110314 | 04-6870-3411

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 01-2901-4884	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 03 Nov-14 11:20	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 10 Nov-14 09:50	Species: Atherinops affinis	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 20-7270-4314	Code: TOPS110314	Client: ABC Labs
Sample Date: 03 Nov-14	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: 11h	Station: REF TOX	

Dissolved Oxygen-mg/L

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.075	6.876	7.274	6.7	7.4	0.08398	0.2375	3.36%	0
56		8	6.925	6.61	7.24	6.2	7.4	0.1333	0.377	5.44%	0
100		8	14.93	-4.019	33.87	6.5	71	8.011	22.66	151.8%	0
180		8	6.9	6.681	7.119	6.6	7.2	0.09258	0.2619	3.8%	0
320		8	6.938	6.706	7.169	6.4	7.2	0.09808	0.2774	4.0%	0
560		1	7.1			7.1	7.1	0	0	0.0%	0
Overall		41	8.31			6.2	71				0 (0%)

pH-Units

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.613	7.468	7.757	7.4	7.8	0.06106	0.1727	2.27%	0
56		8	7.613	7.483	7.742	7.4	7.9	0.05489	0.1553	2.04%	0
100		8	7.588	7.436	7.739	7.3	7.9	0.06391	0.1808	2.38%	0
180		8	7.6	7.491	7.709	7.4	7.8	0.04629	0.1309	1.72%	0
320		8	7.6	7.491	7.709	7.4	7.8	0.04629	0.1309	1.72%	0
560		1	7.4			7.4	7.4	0	0	0.0%	0
Overall		41	7.569			7.3	7.9				0 (0%)

Salinity-ppt

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	25	25	25	25	25	0	0	0.0%	0
56		8	25	25	25	25	25	0	0	0.0%	0
100		8	25	25	25	25	25	0	0	0.0%	0
180		8	25	25	25	25	25	0	0	0.0%	0
320		8	25	25	25	25	25	0	0	0.0%	0
560		1	25			25	25	0	0	0.0%	0
Overall		41	25			25	25				0 (0%)

Temperature-°C

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	21	21	21	21	21	0	0	0.0%	0
56		8	21	21	21	21	21	0	0	0.0%	0
100		8	21	21	21	21	21	0	0	0.0%	0
180		8	21	21	21	21	21	0	0	0.0%	0
320		8	21	21	21	21	21	0	0	0.0%	0
560		1	21			21	21	0	0	0.0%	0
Overall		41	21			21	21				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 11:53 (p 2 of 2)
 Test Code: TOPS110314 | 04-6870-3411

Pacific Topsmelt 7-d Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Dissolved Oxygen-mg/L

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	6.9	7.4	7	6.9	7.2	7.3	7.2	6.7
56		6.9	7.4	7.1	6.2	6.9	7.1	7.2	6.6
100		7.1	6.7	7.2	6.5	7.1	7.1	7.2	6.6
180		7.1	6.9	7.1	6.6	7.1	7.2	6.6	6.6
320		7.1	6.8	7.1	6.4	7.1	7.1	7.2	6.7
560		7.1							

pH-Units

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.4	7.8	7.6	7.8	7.4	7.5	7.6	7.8
56		7.4	7.6	7.7	7.7	7.5	7.5	7.6	7.9
100		7.3	7.7	7.7	7.5	7.5	7.5	7.6	7.9
180		7.4	7.7	7.6	7.7	7.5	7.5	7.6	7.8
320		7.4	7.7	7.6	7.7	7.5	7.5	7.6	7.8
560		7.4							

Salinity-ppt

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	25	25	25	25	25	25	25	25
56		25	25	25	25	25	25	25	25
100		25	25	25	25	25	25	25	25
180		25	25	25	25	25	25	25	25
320		25	25	25	25	25	25	25	25
560		25							

Temperature-°C

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	21	21	21	21	21	21	21	21
56		21	21	21	21	21	21	21	21
100		21	21	21	21	21	21	21	21
180		21	21	21	21	21	21	21	21
320		21	21	21	21	21	21	21	21
560		21							



CHRONIC SELENASTRUM GROWTH BIOASSAY

DATE: 6 November - 2014

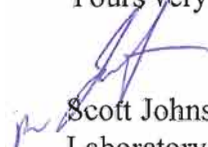
STANDARD TOXICANT: Cadmium Chloride

NOEC = 40.00 ug/l

IC25 = 70.22 ug/l

IC50 = 106.70 ug/l

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 13:49 (p 1 of 1)
 Test Code: SEL110614 | 15-7204-0251

Selenastrum Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Batch ID:	20-2425-8499	Test Type:	Cell Growth	Analyst:			
Start Date:	06 Nov-14 11:08	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water		
Ending Date:	10 Nov-14 11:00	Species:	Selenastrum capricornutum	Brine:	Not Applicable		
Duration:	96h	Source:	Aquatic Biosystems, CO	Age:			
Sample ID:	05-7060-1583	Code:	SEL110614s	Client:	Internal Lab		
Sample Date:	06 Nov-14 11:08	Material:	Cadmium chloride	Project:			
Receive Date:		Source:	Reference Toxicant				
Sample Age:	NA	Station:	REF TOX				

Comparison Summary							
Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
07-4374-7410	Cell Density	40	80	56.57	11.3%		Steel Many-One Rank Sum Test

Point Estimate Summary							
Analysis ID	Endpoint	Level	µg/L	95% LCL	95% UCL	TU	Method
07-2480-3679	Cell Density	IC5	46.04	45.22	47.31		Linear Interpolation (ICPIN)
		IC10	52.09	50.43	54.63		
		IC15	58.13	55.65	61.94		
		IC20	64.18	60.87	69.25		
		IC25	70.22	66.08	76.57		
		IC40	90.93	83.53	98.95		
		IC50	106.7	100.7	113.8		

Test Acceptability						
Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
07-2480-3679	Cell Density	Control CV	0.04854	NL - 0.2	Yes	Passes Acceptability Criteria
07-4374-7410	Cell Density	Control CV	0.04854	NL - 0.2	Yes	Passes Acceptability Criteria
07-2480-3679	Cell Density	Control Resp	1.11E+6	1.00E+6 - NL	Yes	Passes Acceptability Criteria
07-4374-7410	Cell Density	Control Resp	1.11E+6	1.00E+6 - NL	Yes	Passes Acceptability Criteria
07-4374-7410	Cell Density	PMSD	0.1129	0.091 - 0.29	Yes	Passes Acceptability Criteria

Cell Density Summary											
C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	4	1.110E+6	1.024E+6	1.195E+6	1.035E+6	1.160E+6	2.693E+4	5.385E+4	4.85%	0.0%
20		4	1.463E+6	1.288E+6	1.638E+6	1.307E+6	1.554E+6	5.513E+4	1.103E+5	7.54%	-31.86%
40		4	1.496E+6	1.297E+6	1.695E+6	1.348E+6	1.608E+6	6.247E+4	1.249E+5	8.35%	-34.86%
80		4	9.075E+5	8.571E+5	9.579E+5	8.820E+5	9.530E+5	1.582E+4	3.165E+4	3.49%	18.21%
140		4	3.928E+5	3.527E+5	4.328E+5	3.710E+5	4.170E+5	1.260E+4	2.520E+4	6.42%	64.6%
180		4	1.605E+5	1.380E+5	1.830E+5	1.480E+5	1.760E+5	7.077E+3	1.415E+4	8.82%	85.53%

Cell Density Detail						
C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	
0	Negative Contro	1.035E+6	1.160E+6	1.109E+6	1.134E+6	
20		1.307E+6	1.466E+6	1.525E+6	1.554E+6	
40		1.608E+6	1.591E+6	1.348E+6	1.438E+6	
80		9.040E+5	9.530E+5	8.910E+5	8.820E+5	
140		3.710E+5	4.170E+5	3.710E+5	4.120E+5	
180		1.760E+5	1.690E+5	1.480E+5	1.490E+5	

CETIS Analytical Report

Report Date: 17 Dec-14 13:49 (p 1 of 2)
 Test Code: SEL110614 | 15-7204-0251

Selenastrum Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID: 07-4374-7410	Endpoint: Cell Density	CETIS Version: CETISv1.8.7					
Analyzed: 21 Nov-14 15:28	Analysis: Nonparametric-Control vs Treatments	Official Results: Yes					
Batch ID: 20-2425-8499	Test Type: Cell Growth	Analyst:					
Start Date: 06 Nov-14 11:08	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water					
Ending Date: 10 Nov-14 11:00	Species: Selenastrum capricornutum	Brine: Not Applicable					
Duration: 96h	Source: Aquatic Biosystems, CO	Age:					
Sample ID: 05-7060-1583	Code: SEL110614s	Client: Internal Lab					
Sample Date: 06 Nov-14 11:08	Material: Cadmium chloride	Project:					
Receive Date:	Source: Reference Toxicant						
Sample Age: NA	Station: REF TOX						

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	11.3%	40	80	56.57	

Steel Many-One Rank Sum Test

Control	vs C-µg/L	Test Stat	Critical	Ties	DF	P-Value	P-Type	Decision(α:5%)
Negative Control	20	26	10	0	6	0.9999	Asymp	Non-Significant Effect
	40	26	10	0	6	0.9999	Asymp	Non-Significant Effect
	80*	10	10	0	6	0.0417	Asymp	Significant Effect
	140*	10	10	0	6	0.0417	Asymp	Significant Effect
	180*	10	10	0	6	0.0417	Asymp	Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control CV	0.04854	NL - 0.2	Yes	Passes Acceptability Criteria
Control Resp	1.11E+6	1.00E+6 - NL	Yes	Passes Acceptability Criteria
PMSD	0.1129	0.091 - 0.29	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	6.07119E+12	1.214238E+12	5	224.1	<0.0001	Significant Effect
Error	97518500000	5417694000	18			
Total	6.168708E+12		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	15.64	15.09	0.0080	Unequal Variances
Variances	Mod Levene Equality of Variance	3.399	4.248	0.0245	Equal Variances
Variances	Levene Equality of Variance	4.705	4.248	0.0064	Unequal Variances
Distribution	Shapiro-Wilk W Normality	0.9345	0.884	0.1228	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.181	0.2056	0.0408	Normal Distribution
Distribution	D'Agostino Skewness	1.552	2.576	0.1206	Normal Distribution
Distribution	D'Agostino Kurtosis	1.262	2.576	0.2069	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	4.002	9.21	0.1352	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.6556	3.878	0.0874	Normal Distribution

Cell Density Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	1.110E+6	1.024E+6	1.195E+6	1122000	1.035E+6	1.160E+6	2.693E+4	4.85%	0.0%
20		4	1.463E+6	1.288E+6	1.638E+6	1496000	1.307E+6	1.554E+6	5.513E+4	7.54%	-31.86%
40		4	1.496E+6	1.297E+6	1.695E+6	1515000	1.348E+6	1.608E+6	6.247E+4	8.35%	-34.86%
80		4	9.075E+5	8.571E+5	9.579E+5	897500	8.820E+5	9.530E+5	1.582E+4	3.49%	18.21%
140		4	3.928E+5	3.527E+5	4.328E+5	391500	3.710E+5	4.170E+5	1.260E+4	6.42%	64.6%
180		4	1.605E+5	1.380E+5	1.830E+5	159000	1.480E+5	1.760E+5	7.077E+3	8.82%	85.53%

CETIS Analytical Report

Report Date: 17 Dec-14 13:49 (p 1 of 2)
 Test Code: SEL110614 | 15-7204-0251

Selenastrum Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 07-2480-3679	Endpoint: Cell Density	CETIS Version: CETISv1.8.7
Analyzed: 21 Nov-14 15:28	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 20-2425-8499	Test Type: Cell Growth	Analyst:
Start Date: 06 Nov-14 11:08	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 10 Nov-14 11:00	Species: Selenastrum capricornutum	Brine: Not Applicable
Duration: 96h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 05-7060-1583	Code: SEL110614s	Client: Internal Lab
Sample Date: 06 Nov-14 11:08	Material: Cadmium chloride	Project:
Receive Date:	Source: Reference Toxicant	
Sample Age: NA	Station: REF TOX	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control CV	0.04854	NL - 0.2	Yes	Passes Acceptability Criteria
Control Resp	1.11E+6	1.00E+6 - NL	Yes	Passes Acceptability Criteria

Point Estimates

Level	µg/L	95% LCL	95% UCL
IC5	46.04	45.22	47.31
IC10	52.09	50.43	54.63
IC15	58.13	55.65	61.94
IC20	64.18	60.87	69.25
IC25	70.22	66.08	76.57
IC40	90.93	83.53	98.95
IC50	106.7	100.7	113.8

Cell Density Summary

Calculated Variate

C-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Control	4	1.110E+6	1.035E+6	1.160E+6	2.693E+4	5.385E+4	4.85%	0.0%
20		4	1.463E+6	1.307E+6	1.554E+6	5.513E+4	1.103E+5	7.54%	-31.86%
40		4	1.496E+6	1.348E+6	1.608E+6	6.247E+4	1.249E+5	8.35%	-34.86%
80		4	9.075E+5	8.820E+5	9.530E+5	1.582E+4	3.165E+4	3.49%	18.21%
140		4	3.928E+5	3.710E+5	4.170E+5	1.260E+4	2.520E+4	6.42%	64.6%
180		4	1.605E+5	1.480E+5	1.760E+5	7.077E+3	1.415E+4	8.82%	85.53%

Cell Density Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	1.035E+6	1.160E+6	1.109E+6	1.134E+6
20		1.307E+6	1.466E+6	1.525E+6	1.554E+6
40		1.608E+6	1.591E+6	1.348E+6	1.438E+6
80		9.040E+5	9.530E+5	8.910E+5	8.820E+5
140		3.710E+5	4.170E+5	3.710E+5	4.120E+5
180		1.760E+5	1.690E+5	1.480E+5	1.490E+5

CETIS Measurement Report

Report Date: 17 Dec-14 13:49 (p 2 of 2)

Test Code: SEL110614 | 15-7204-0251

Selenastrum Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Alkalinity (CaCO3)-mg/L

C-µg/L	Control Type	1
0	Negative Contr	72
20		65
40		70
80		70
140		74
180		82

Conductivity-µmhos

C-µg/L	Control Type	1	2	3	4	5
0	Negative Contr	427	433	430	432	449
20		432	439	438	438	471
40		413	411	410	412	391
80		394	403	408	408	381
140		385	386	388	386	380
180		367	368	370	370	372

Hardness (CaCO3)-mg/L

C-µg/L	Control Type	1
0	Negative Contr	106
20		90
40		93
80		97
140		100
180		101

pH-Units

C-µg/L	Control Type	1	2	3	4	5
0	Negative Contr	7.6	7.7	7.7	7.7	7.5
20		7.9	8	7.9	7.8	7.9
40		7.9	7.9	7.5	7.8	7.9
80		7.9	7.9	7.9	7.8	7.9
140		7.8	7.8	7.8	7.8	7.9
180		7.7	7.8	7.8	7.8	7.8

Temperature-°C

C-µg/L	Control Type	1	2	3	4	5
0	Negative Contr	24.1	24.5	24.5	24.5	24.3
20		24.1	24.5	24.5	24.5	24.3
40		24.1	24.5	24.5	24.5	24.3
80		24.1	24.5	24.5	24.5	24.3
140		24.1	24.5	24.5	24.5	24.3
180		24.1	24.5	24.5	24.5	24.3



CHRONIC CERIODAPHNIA SURVIVAL AND REPRODUCTION BIOASSAY

DATE: 4 November - 2014

STANDARD TOXICANT: Copper Chloride

ENDPOINT: SURVIVAL

NOEC = 10.00 ug/l

EC25 = 14.29 ug/l

EC50 = 21.43 ug/l

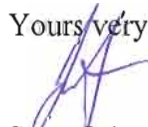
ENDPOINT: REPRODUCTION

NOEC = 10.00 ug/l

IC25 = 10.04 ug/l

IC50 = 18.95 ug/l

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 17 Dec-14 13:48 (p 1 of 2)
 Test Code: CER110414 | 11-3753-3004

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 07-0513-2729	Test Type: Reproduction-Survival (7d)	Analyst:
Start Date: 04 Nov-14 14:00	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 11 Nov-14 12:00	Species: Ceriodaphnia dubia	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 12-2040-8009	Code: CER110414c	Client: Internal Lab
Sample Date: 04 Nov-14 14:00	Material: Copper chloride	Project:
Receive Date:	Source: Reference Toxicant	
Sample Age: NA	Station: REF TOX	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
14-9619-9255	7d Survival Rate	10	30	17.32	NA		Fisher Exact/Bonferroni-Holm Test
04-1939-3566	Reproduction	10	30	17.32	47.9%		Dunnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	µg/L	95% LCL	95% UCL	TU	Method
01-0677-4060	7d Survival Rate	EC5	4	3.4	11.43		Linear Interpolation (ICPIN)
		EC10	10	3.8	12.86		
		EC15	11.43	4.2	14.29		
		EC20	12.86	4.6	15.71		
		EC25	14.29	9.167	17.5		
		EC40	18.57	14	25		
05-1106-4222	Reproduction	IC5	6.005	3.564	9.847		Linear Interpolation (ICPIN)
		IC10	7.009	4.127	11.2		
		IC15	8.014	4.691	12.71		
		IC20	9.019	6.604	14		
		IC25	10.04	7.712	15.53		
		IC40	15.39	9.853	22.34		
IC50	21.43	17.5	30				

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
01-0677-4060	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
14-9619-9255	7d Survival Rate	Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria
04-1939-3566	Reproduction	Control Resp	15.2	15 - NL	Yes	Passes Acceptability Criteria
05-1106-4222	Reproduction	Control Resp	15.2	15 - NL	Yes	Passes Acceptability Criteria
04-1939-3566	Reproduction	PMSD	0.4792	0.13 - 0.47	Yes	Above Acceptability Criteria

7d Survival Rate Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	10	1	1	1	1	1	0	0	0.0%	0.0%
3		10	1	1	1	1	1	0	0	0.0%	0.0%
5		10	0.9	0.6738	1	0	1	0.1	0.3162	35.14%	10.0%
10		10	0.9	0.6738	1	0	1	0.1	0.3162	35.14%	10.0%
30		10	0.2	0	0.5016	0	1	0.1333	0.4216	210.8%	80.0%
50		10	0	0	0	0	0	0	0		100.0%

Reproduction Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	10	15.2	11.07	19.33	8	25	1.825	5.77	37.96%	0.0%
3		10	26.8	20.07	33.53	15	42	2.973	9.402	35.08%	-76.32%
5		10	22.7	16.91	28.49	12	36	2.561	8.097	35.67%	-49.34%
10		10	16.2	12.03	20.37	5	25	1.843	5.827	35.97%	-6.58%
30		10	4.1	-2.104	10.3	0	28	2.742	8.672	211.5%	73.03%
50		10	1.2	-0.7313	3.131	0	8	0.8537	2.7	225.0%	92.11%

CETIS Summary Report

Report Date: 17 Dec-14 13:48 (p 2 of 2)
 Test Code: CER110414 | 11-3753-3004

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

7d Survival Rate Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Contro	1	1	1	1	1	1	1	1	1	1
3		1	1	1	1	1	1	1	1	1	1
5		1	1	1	1	1	0	1	1	1	1
10		1	1	1	1	1	1	0	1	1	1
30		0	0	0	0	1	1	0	0	0	0
50		0	0	0	0	0	0	0	0	0	0

Reproduction Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Contro	10	21	8	12	15	12	13	13	23	25
3		42	22	15	32	17	29	38	15	29	29
5		28	27	36	31	17	15	15	12	19	27
10		24	17	5	14	18	17	14	17	11	25
30		0	0	0	0	4	28	0	3	0	6
50		0	8	0	0	0	0	0	0	0	4

7d Survival Rate Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Contro	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
3		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
5		1/1	1/1	1/1	1/1	1/1	0/1	1/1	1/1	1/1	1/1
10		1/1	1/1	1/1	1/1	1/1	1/1	0/1	1/1	1/1	1/1
30		0/1	0/1	0/1	0/1	1/1	1/1	0/1	0/1	0/1	0/1
50		0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1

CETIS Analytical Report

Report Date: 17 Dec-14 13:48 (p 3 of 4)
 Test Code: CER110414 | 11-3753-3004

Ceriodaphnia 7-d Survival and Reproduction Test			Aquatic Bioassay & Consulting Labs, Inc.		
Analysis ID: 05-1106-4222	Endpoint: Reproduction	CETIS Version: CETISv1.8.7			
Analyzed: 21 Nov-14 15:27	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes			
Batch ID: 07-0513-2729	Test Type: Reproduction-Survival (7d)	Analyst:			
Start Date: 04 Nov-14 14:00	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water			
Ending Date: 11 Nov-14 12:00	Species: Ceriodaphnia dubia	Brine: Not Applicable			
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:			
Sample ID: 12-2040-8009	Code: CER110414c	Client: Internal Lab			
Sample Date: 04 Nov-14 14:00	Material: Copper chloride	Project:			
Receive Date:	Source: Reference Toxicant				
Sample Age: NA	Station: REF TOX				

Linear Interpolation Options					
X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	1669620	280	Yes	Two-Point Interpolation

Test Acceptability Criteria				
Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	15.2	15 - NL	Yes	Passes Acceptability Criteria

Point Estimates			
Level	µg/L	95% LCL	95% UCL
IC5	6.005	3.564	9.847
IC10	7.009	4.127	11.2
IC15	8.014	4.691	12.71
IC20	9.019	6.604	14
IC25	10.04	7.712	15.53
IC40	15.39	9.853	22.34
IC50	18.95	14.25	26.88

Reproduction Summary			Calculated Variate						
C-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Control	10	15.2	8	25	1.825	5.77	37.96%	0.0%
3		10	26.8	15	42	2.973	9.402	35.08%	-76.32%
5		10	22.7	12	36	2.561	8.097	35.67%	-49.34%
10		10	16.2	5	25	1.843	5.827	35.97%	-6.58%
30		10	4.1	0	28	2.742	8.672	211.5%	73.03%
50		10	1.2	0	8	0.8537	2.7	225.0%	92.11%

Reproduction Detail											
C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	Rep 6	Rep 7	Rep 8	Rep 9	Rep 10
0	Negative Control	10	21	8	12	15	12	13	13	23	25
3		42	22	15	32	17	29	38	15	29	29
5		28	27	36	31	17	15	15	12	19	27
10		24	17	5	14	18	17	14	17	11	25
30		0	0	0	0	4	28	0	3	0	6
50		0	8	0	0	0	0	0	0	0	4

CETIS Measurement Report

Report Date: 17 Dec-14 13:48 (p 1 of 3)
 Test Code: CER110414 | 11-3753-3004

Ceriodaphnia 7-d Survival and Reproduction Test				Aquatic Bioassay & Consulting Labs, Inc.			
Batch ID:	07-0513-2729	Test Type:	Reproduction-Survival (7d)	Analyst:			
Start Date:	04 Nov-14 14:00	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water		
Ending Date:	11 Nov-14 12:00	Species:	Ceriodaphnia dubia	Brine:	Not Applicable		
Duration:	6d 22h	Source:	Aquatic Biosystems, CO	Age:			
Sample ID:	12-2040-8009	Code:	CER110414c	Client:	Internal Lab		
Sample Date:	04 Nov-14 14:00	Material:	Copper chloride	Project:			
Receive Date:		Source:	Reference Toxicant				
Sample Age:	NA	Station:	REF TOX				

Alkalinity (CaCO3)-mg/L

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	67.75	66.88	68.62	67	69	0.366	1.035	1.53%	0
50		8	62	62	62	62	62	0	0	0.0%	0
Overall		16	64.88			62	69				0 (0%)

Conductivity-µmhos

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	334.6	328.2	341	328	350	2.699	7.633	2.28%	0
3		8	340.5	323.3	357.7	320	385	7.273	20.57	6.04%	0
5		8	328.3	323.4	333.1	321	338	2.051	5.8	1.77%	0
10		8	325.1	320.7	329.6	317	333	1.884	5.33	1.64%	0
30		8	321	315.8	326.2	315	332	2.212	6.256	1.95%	0
50		8	327.4	321.3	333.5	318	340	2.584	7.308	2.23%	0
Overall		48	329.5			315	385				0 (0%)

Dissolved Oxygen-mg/L

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.738	7.438	8.037	7.1	8.3	0.1267	0.3583	4.63%	0
3		8	8.038	7.728	8.347	7.5	8.6	0.1308	0.3701	4.6%	0
5		8	8.275	7.913	8.637	7.7	9	0.1532	0.4334	5.24%	0
10		8	8.325	7.946	8.704	7.7	9.1	0.1601	0.4528	5.44%	0
30		8	8.35	7.976	8.724	7.6	9	0.1581	0.4472	5.36%	0
50		8	8.313	7.986	8.639	7.7	9	0.1381	0.3907	4.7%	0
Overall		48	8.173			7.1	9.1				0 (0%)

Hardness (CaCO3)-mg/L

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	84.88	79.25	90.5	80	93	2.379	6.728	7.93%	0
50		8	84	84	84	84	84	0	0	0.0%	0
Overall		16	84.44			80	93				0 (0%)

pH-Units

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.775	7.544	8.006	7.2	8.2	0.09774	0.2765	3.56%	0
3		8	7.963	7.854	8.071	7.8	8.2	0.04605	0.1302	1.64%	0
5		8	7.938	7.812	8.063	7.7	8.2	0.05324	0.1506	1.9%	0
10		8	7.913	7.791	8.034	7.6	8.1	0.05154	0.1458	1.84%	0
30		8	7.888	7.774	8.001	7.7	8.1	0.04795	0.1356	1.72%	0
50		8	7.85	7.702	7.998	7.6	8.1	0.06268	0.1773	2.26%	0
Overall		48	7.888			7.2	8.2				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 13:48 (p 2 of 3)
Test Code: CER110414 | 11-3753-3004

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.46	23.85	25.08	24	26.1	0.2591	0.7328	3.0%	0
3		8	24.54	24.01	25.07	24	25.7	0.2251	0.6368	2.6%	0
5		8	24.44	23.93	24.95	24	25.5	0.2162	0.6116	2.5%	0
10		8	24.54	23.99	25.08	24	25.6	0.2314	0.6545	2.67%	0
30		8	24.56	23.96	25.16	24	25.7	0.2528	0.715	2.91%	0
50		8	24.21	23.68	24.75	23.6	25.7	0.2255	0.6379	2.64%	0
Overall		48	24.46			23.6	26.1				0 (0%)

CETIS Measurement Report

Report Date: 17 Dec-14 13:48 (p 3 of 3)
 Test Code: CER110414 | 11-3753-3004

Ceriodaphnia 7-d Survival and Reproduction Test

Aquatic Bioassay & Consulting Labs, Inc.

Alkalinity (CaCO3)-mg/L

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	67	67	67	67	67	69	69	69
50		62	62	62	62	62	62	62	62

Conductivity-µmhos

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	337	332	328	329	330	330	341	350
3		325	320	335	354	338	332	335	385
5		338	327	333	322	328	325	332	321
10		319	330	333	324	325	325	328	317
30		317	315	332	316	318	318	328	324
50		318	323	333	331	325	320	329	340

Dissolved Oxygen-mg/L

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.7	7.6	8.3	7.6	7.8	7.7	8.1	7.1
3		8.6	8.2	8.3	7.9	7.8	7.7	8.3	7.5
5		8.6	8.2	9	7.9	7.9	7.7	8.4	8.5
10		8.6	8.2	9.1	8.2	7.8	7.7	8.5	8.5
30		8.6	8.2	9	8.3	7.9	7.6	8.6	8.6
50		8.5	8.1	9	8.3	8	7.7	8.5	8.4

Hardness (CaCO3)-mg/L

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	80	80	80	80	80	93	93	93
50		84	84	84	84	84	84	84	84

Total Ammonia (N)-mg/L

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr								
3									
5									
10									
30									
50									

pH-Units

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	8.2	7.8	7.8	7.7	7.8	7.8	7.9	7.2
3		8	8	7.8	8	7.9	7.8	8.2	8
5		8	8	7.7	8	7.9	7.8	8.2	7.9
10		8	7.9	7.6	8	7.9	7.9	8.1	7.9
30		8	7.9	7.7	7.9	7.9	7.9	8.1	7.7
50		8	7.8	7.6	7.9	7.9	7.9	8.1	7.6

Temperature-°C

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	24	24.9	26.1	24	24	24	24.3	24.4
3		24	25.3	25.7	24.1	24.6	24	24.2	24.4
5		24	25.3	25.5	24.1	24	24	24.2	24.4
10		24	25.6	25.5	24.3	24	24	24.5	24.4
30		24	25.6	25.7	24.7	24	24	24.1	24.4
50		24	23.6	25.7	24	24	24	24	24.4



January 20, 2015

Mr. Arne Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms* EPA-821-R-02-013. "All acceptability criteria were met and the concentration-response was normal. This is a valid test." Results were as follows:

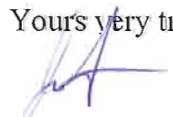
CLIENT:	Ventura County Flood Control
SAMPLE I.D.:	MO-SPA
DATE RECEIVED:	12/2/2014
ABC LAB. NO.:	VCF1214.020

CHRONIC FATHEAD MINNOW SURVIVAL & GROWTH BIOASSAY

SURVIVAL	NOEC =	100.00 %
	TUc =	1.00
	EC25 =	>100.00 %
	EC50 =	>100.00 %

BIOMASS	NOEC =	100.00 %
	TUc =	1.00
	IC25 =	>100.00 %
	IC50 =	>100.00 %

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Analytical Report

Report Date: 20 Jan-15 09:46 (p 3 of 4)

Test Code: VCF1214.020fml | 07-8819-1993

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID: 01-3762-1476	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7					
Analyzed: 20 Jan-15 9:42	Analysis: Parametric-Control vs Treatments	Official Results: Yes					
Batch ID: 15-6387-9331	Test Type: Growth-Survival (7d)	Analyst: Joe Freas					
Start Date: 02 Dec-14 14:30	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water					
Ending Date: 09 Dec-14 12:30	Species: Pimephales promelas	Brine: Not Applicable					
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:					
Sample ID: 13-6031-5595	Code: VCF1214.020f	Client: VCWPD					
Sample Date: 02 Dec-14 10:10	Material: Sample Water	Project: 2014/15-2 (Wet)					
Receive Date: 02 Dec-14 13:25	Source: Bioassay Report						
Sample Age: 4h (5.7 °C)	Station: MO-SPA						

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	19.0%	100	>100	NA	1

Dunnnett Multiple Comparison Test									
Control	vs	C-%	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		6.25	-0.389	2.407	0.066	6	0.9227	CDF	Non-Significant Effect
		12.5	-0.9179	2.407	0.066	6	0.9785	CDF	Non-Significant Effect
		25	-0.3526	2.407	0.066	6	0.9163	CDF	Non-Significant Effect
		50	0.3343	2.407	0.066	6	0.7167	CDF	Non-Significant Effect
		100	-0.3951	2.407	0.066	6	0.9237	CDF	Non-Significant Effect

Test Acceptability Criteria				
Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.3472	0.25 - NL	Yes	Passes Acceptability Criteria
PMSD	0.1901	0.12 - 0.3	Yes	Passes Acceptability Criteria

ANOVA Table						
Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.002684761	0.0005369521	5	0.3571	0.8709	Non-Significant Effect
Error	0.02706455	0.001503586	18			
Total	0.02974931		23			

Distributional Tests					
Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	4.897	15.09	0.4286	Equal Variances
Variances	Mod Levene Equality of Variance	1.323	4.248	0.2988	Equal Variances
Variances	Levene Equality of Variance	1.472	4.248	0.2478	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9741	0.884	0.7685	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.1149	0.2056	0.5762	Normal Distribution
Distribution	D'Agostino Skewness	0.2113	2.576	0.8326	Normal Distribution
Distribution	D'Agostino Kurtosis	0.0449	2.576	0.9642	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	0.04668	9.21	0.9769	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.2594	3.878	0.7399	Normal Distribution

Mean Dry Biomass-mg Summary											
C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	0.3472	0.2593	0.4351	0.3443	0.284	0.416	0.02762	15.91%	0.0%
6.25		4	0.3578	0.2737	0.4419	0.3523	0.3033	0.4233	0.02642	14.77%	-3.07%
12.5		4	0.3723	0.3107	0.434	0.3797	0.32	0.41	0.01938	10.41%	-7.25%
25		4	0.3568	0.3288	0.3849	0.358	0.3347	0.3767	0.008808	4.94%	-2.78%
50		4	0.338	0.2943	0.3817	0.3323	0.3127	0.3747	0.01374	8.13%	2.64%
100		4	0.358	0.3187	0.3973	0.367	0.3227	0.3753	0.01234	6.9%	-3.12%

CETIS Analytical Report

Report Date: 20 Jan-15 09:46 (p 2 of 4)

Test Code: VCF1214.020fml | 07-8819-1993

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 01-3494-2063

Endpoint: 7d Survival Rate

CETIS Version: CETISv1.8.7

Analyzed: 20 Jan-15 9:42

Analysis: Linear Interpolation (ICPIN)

Official Results: Yes

CETIS Measurement Report

Report Date: 20 Jan-15 09:46 (p 1 of 3)
 Test Code: VCF1214.020fml | 07-8819-1993

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 15-6387-9331	Test Type: Growth-Survival (7d)	Analyst: Joe Freas
Start Date: 02 Dec-14 14:30	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 09 Dec-14 12:30	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 13-6031-5595	Code: VCF1214.020f	Client: VCWPD
Sample Date: 02 Dec-14 10:10	Material: Sample Water	Project: 2014/15-2 (Wet)
Receive Date: 02 Dec-14 13:25	Source: Bioassay Report	
Sample Age: 4h (5.7 °C)	Station: MO-SPA	

Alkalinity (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	1	69			69	69	0	0	0.0%	0
100		1	46			46	46	0	0	0.0%	0
Overall		2	57.5			46	69				0 (0%)

Conductivity-µmhos

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	341.1	330.7	351.5	333	371	4.401	12.45	3.65%	0
6.25		8	324	318.7	329.3	316	332	2.244	6.347	1.96%	0
12.5		8	308.9	301.3	316.4	301	330	3.198	9.047	2.93%	0
25		8	273.9	265.9	281.9	253	285	3.378	9.553	3.49%	0
50		8	220	213.3	226.7	213	234	2.816	7.964	3.62%	0
100		8	97.25	87.33	107.2	87	121	4.195	11.87	12.2%	0
Overall		48	260.9			87	371				0 (0%)

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.688	7.49	7.885	7.5	8.2	0.08332	0.2357	3.07%	0
6.25		8	7.3	7.086	7.514	6.8	7.5	0.09063	0.2563	3.51%	0
12.5		8	7.138	6.616	7.659	5.7	7.7	0.2203	0.6232	8.73%	0
25		8	6.875	6.279	7.471	5.5	7.9	0.252	0.7126	10.37%	0
50		8	6.525	5.69	7.36	5.1	8.3	0.3529	0.9982	15.3%	0
100		8	6.038	4.586	7.489	4	9.3	0.6138	1.736	28.76%	0
Overall		48	6.927			4	9.3				0 (0%)

Hardness (CaCO3)-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	1	90			90	90	0	0	0.0%	0
100		1	36			36	36	0	0	0.0%	0
Overall		2	63			36	90				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.738	7.528	7.947	7.3	8.1	0.08851	0.2504	3.24%	0
6.25		8	7.675	7.457	7.893	7.2	8	0.0921	0.2605	3.39%	0
12.5		8	7.588	7.325	7.85	7	8	0.1109	0.3137	4.13%	0
25		8	7.525	7.265	7.785	7	7.9	0.1098	0.3105	4.13%	0
50		8	7.425	7.116	7.734	6.8	7.9	0.1306	0.3694	4.98%	0
100		8	7.2	6.818	7.582	6.6	7.8	0.1615	0.4567	6.34%	0
Overall		48	7.525			6.6	8.1				0 (0%)

CETIS Measurement Report

Report Date: 20 Jan-15 09:46 (p 2 of 3)

Test Code: VCF1214.020fml | 07-8819-1993

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.16	23.88	24.45	24	25	0.1209	0.342	1.42%	0
6.25		8	24.14	23.91	24.37	24	24.8	0.09624	0.2722	1.13%	0
12.5		8	24.19	23.94	24.44	24	24.8	0.106	0.2997	1.24%	0
25		8	24.14	23.97	24.3	24	24.5	0.07055	0.1995	0.83%	0
50		8	24.06	23.97	24.15	24	24.3	0.0375	0.1061	0.44%	0
100		8	24.03	23.99	24.06	24	24.1	0.01634	0.04623	0.19%	0
Overall		48	24.12			24	25				0 (0%)

CETIS Measurement Report

Report Date: 20 Jan-15 09:46 (p 3 of 3)
 Test Code: VCF1214.020fml | 07-8819-1993

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Alkalinity (CaCO3)-mg/L

C-%	Control Type	1
0	Negative Contr	69
100		46

Conductivity-µmhos

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	340	336	334	335	338	333	342	371
6.25		318	317	316	323	328	328	330	332
12.5		304	304	301	305	308	309	310	330
25		274	274	272	273	280	285	280	253
50		215	213	213	215	220	220	230	234
100		87	88	89	93	95	96	109	121

Dissolved Oxygen-mg/L

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.7	7.5	7.5	7.6	7.5	7.7	7.8	8.2
6.25		7.4	7.5	7.4	7.4	7.4	7.5	6.8	7
12.5		7.7	7.3	7.3	7.3	7.4	7.5	5.7	6.9
25		7.9	6.8	6.6	7.2	7.2	7.3	5.5	6.5
50		8.3	5.9	5.8	6.9	7	7.1	5.1	6.1
100		9.3	4.6	4	6	7	7	4.5	5.9

Hardness (CaCO3)-mg/L

C-%	Control Type	1
0	Negative Contr	90
6.25		
12.5		
25		
50		
100		36

pH-Units

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.8	8.1	7.8	7.6	7.7	8	7.6	7.3
6.25		8	7.9	7.4	7.7	7.7	7.7	7.2	7.8
12.5		8	7.9	7.4	7.5	7.7	7.7	7	7.5
25		7.9	7.8	7.3	7.3	7.5	7.6	7	7.8
50		7.9	7.7	7.2	7.2	7.3	7.5	6.8	7.8
100		7.7	7.4	7	6.6	7.1	7.4	6.6	7.8

Temperature-°C

C-%	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	24	24.1	25	24.1	24	24	24.1	24
6.25		24	24.1	24.8	24.1	24	24	24.1	24
12.5		24	24.1	24.8	24.5	24	24	24.1	24
25		24	24.1	24.5	24.4	24	24	24.1	24
50		24	24.1	24	24.3	24	24.1	24	24
100		24	24.1	24	24	24	24	24.1	24



CHRONIC FATHEAD MINNOW SURVIVAL AND GROWTH BIOASSAY

DATE: 12/2/2014
STANDARD TOXICANT: Copper Chloride
ENDPOINT: SURVIVAL
NOEC = 19.00 ug/l
EC25 = 38.00 ug/l
EC50 = 64.43 ug/l

ENDPOINT: GROWTH
NOEC = 19.00 ug/l
IC25 = 32.47 ug/l
IC50 = 51.08 ug/l

Yours very truly,


Scott Johnson
Laboratory Director

CETIS Analytical Report

Report Date: 20 Jan-15 09:46 (p 3 of 4)

Test Code: FML120214 | 04-6212-2233

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 00-3715-4032	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7
Analyzed: 29 Dec-14 10:04	Analysis: Parametric-Control vs Treatments	Official Results: Yes
Batch ID: 09-2233-9059	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 02 Dec-14 12:40	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 09 Dec-14 10:45	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 18-7540-8645	Code: FML120214f	Client: ABC Labs
Sample Date: 02 Dec-14 12:40	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: NA	Station: REF TOX	

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Untransformed	NA	C > T	NA	NA	19.2%	19	38	26.87	

Dunnett Multiple Comparison Test

Control	vs	C-µg/L	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control		10	-0.1997	2.407	0.060	6	0.8854	CDF	Non-Significant Effect
		19	0.8386	2.407	0.060	6	0.4946	CDF	Non-Significant Effect
		38*	3.96	2.407	0.060	6	0.0020	CDF	Significant Effect
		75*	10.3	2.407	0.060	6	<0.0001	CDF	Significant Effect
		150*	10.89	2.407	0.060	6	<0.0001	CDF	Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.3132	0.25 - NL	Yes	Passes Acceptability Criteria
PMSD	0.1925	0.12 - 0.3	Yes	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	0.3269976	0.06539951	5	52.14	<0.0001	Significant Effect
Error	0.022576	0.001254222	18			
Total	0.3495736		23			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	6.698	15.09	0.2440	Equal Variances
Variances	Mod Levene Equality of Variance	1.13	4.248	0.3803	Equal Variances
Variances	Levene Equality of Variance	1.586	4.248	0.2143	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9449	0.884	0.2092	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.1709	0.2056	0.0679	Normal Distribution
Distribution	D'Agostino Skewness	0.8778	2.576	0.3801	Normal Distribution
Distribution	D'Agostino Kurtosis	0.4086	2.576	0.6829	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	0.9374	9.21	0.6258	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.5133	3.878	0.1974	Normal Distribution

Mean Dry Biomass-mg Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	0.3132	0.2437	0.3826	0.307	0.2667	0.372	0.02183	13.94%	0.0%
10		4	0.3182	0.2488	0.3875	0.3087	0.276	0.3793	0.0218	13.7%	-1.6%
19		4	0.2922	0.2289	0.3555	0.2927	0.2467	0.3367	0.01989	13.62%	6.71%
38		4	0.214	0.15	0.278	0.2147	0.1707	0.256	0.02012	18.81%	31.67%
75		4	0.05517	0.02182	0.08851	0.05233	0.03267	0.08333	0.01048	37.99%	82.38%
150		4	0.04033	0.02641	0.05426	0.038	0.03267	0.05267	0.004376	21.7%	87.12%

CETIS Analytical Report

Report Date: 20 Jan-15 09:46 (p 4 of 4)
Test Code: FML120214 | 04-6212-2233

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 00-3715-4032 Endpoint: Mean Dry Biomass-mg CETIS Version: CETISv1.8.7
Analyzed: 29 Dec-14 10:04 Analysis: Parametric-Control vs Treatments Official Results: Yes

Mean Dry Biomass-mg Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	0.31	0.304	0.2667	0.372
10		0.3073	0.31	0.3793	0.276
19		0.274	0.3367	0.3113	0.2467
38		0.256	0.19	0.1707	0.2393
75		0.05133	0.08333	0.03267	0.05333
150		0.03267	0.036	0.04	0.05267

CETIS Analytical Report

Report Date: 20 Jan-15 09:46 (p 1 of 4)
 Test Code: FML120214 | 04-6212-2233

Fathead Minnow 7-d Larval Survival and Growth Test				Aquatic Bioassay & Consulting Labs, Inc.			
Analysis ID:	05-6691-3847	Endpoint:	7d Survival Rate	CETIS Version:	CETISv1.8.7		
Analyzed:	29 Dec-14 10:04	Analysis:	Linear Interpolation (ICPIN)	Official Results:	Yes		
Batch ID:	09-2233-9059	Test Type:	Growth-Survival (7d)	Analyst:			
Start Date:	02 Dec-14 12:40	Protocol:	EPA/821/R-02-013 (2002)	Diluent:	Laboratory Water		
Ending Date:	09 Dec-14 10:45	Species:	Pimephales promelas	Brine:	Not Applicable		
Duration:	6d 22h	Source:	Aquatic Biosystems, CO	Age:			
Sample ID:	18-7540-8645	Code:	FML120214f	Client:	ABC Labs		
Sample Date:	02 Dec-14 12:40	Material:	Copper chloride	Project:	REF TOX		
Receive Date:		Source:	Reference Toxicant				
Sample Age:	NA	Station:	REF TOX				

Linear Interpolation Options					
X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria				
Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	1	0.8 - NL	Yes	Passes Acceptability Criteria

Point Estimates			
Level	µg/L	95% LCL	95% UCL
EC5	20.46	14.52	24.2
EC10	24.85	20.56	28.16
EC15	29.23	24.55	34.14
EC20	33.62	28.11	40.63
EC25	38	31.24	45.4
EC40	53.86	46.99	59.5
EC50	64.43	57.66	71.48

7d Survival Rate Summary			Calculated Variate(A/B)									
C-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B	
0	Negative Control	4	1	1	1	0	0	0.0%	0.0%	60	60	
10		4	1	1	1	0	0	0.0%	0.0%	60	60	
19		4	0.9667	0.9333	1	0.01924	0.03849	3.98%	3.33%	58	60	
38		4	0.75	0.6667	0.8	0.03191	0.06383	8.51%	25.0%	45	60	
75		4	0.4	0.3333	0.4667	0.02722	0.05443	13.61%	60.0%	24	60	
150		4	0.1833	0.1333	0.2667	0.03191	0.06383	34.82%	81.67%	11	60	

7d Survival Rate Detail					
C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	1	1	1	1
10		1	1	1	1
19		0.9333	1	1	0.9333
38		0.8	0.8	0.7333	0.6667
75		0.4	0.4667	0.3333	0.4
150		0.2667	0.1333	0.1333	0.2

7d Survival Rate Binomials					
C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	15/15	15/15	15/15	15/15
10		15/15	15/15	15/15	15/15
19		14/15	15/15	15/15	14/15
38		12/15	12/15	11/15	10/15
75		6/15	7/15	5/15	6/15
150		4/15	2/15	2/15	3/15

CETIS Analytical Report

Report Date: 20 Jan-15 09:46 (p 3 of 4)
 Test Code: FML120214 | 04-6212-2233

Fathead Minnow 7-d Larval Survival and Growth Test			Aquatic Bioassay & Consulting Labs, Inc.		
Analysis ID: 06-5520-8397	Endpoint: Mean Dry Biomass-mg	CETIS Version: CETISv1.8.7			
Analyzed: 29 Dec-14 10:04	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes			
Batch ID: 09-2233-9059	Test Type: Growth-Survival (7d)	Analyst:			
Start Date: 02 Dec-14 12:40	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water			
Ending Date: 09 Dec-14 10:45	Species: Pimephales promelas	Brine: Not Applicable			
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:			
Sample ID: 18-7540-8645	Code: FML120214f	Client: ABC Labs			
Sample Date: 02 Dec-14 12:40	Material: Copper chloride	Project: REF TOX			
Receive Date:	Source: Reference Toxicant				
Sample Age: NA	Station: REF TOX				

Linear Interpolation Options					
X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	1651018	280	Yes	Two-Point Interpolation

Test Acceptability Criteria				
Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.3132	0.25 - NL	Yes	Passes Acceptability Criteria

Point Estimates			
Level	µg/L	95% LCL	95% UCL
IC5	16.04	N/A	26.78
IC10	20.96	0.04103	30.56
IC15	24.8	8.524	34.9
IC20	28.63	12.26	41.82
IC25	32.47	17.13	45.06
IC40	43.73	29.83	52.59
IC50	51.08	38.44	58.1

Mean Dry Biomass-mg Summary			Calculated Variate						
C-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Control	4	0.3132	0.2667	0.372	0.02183	0.04366	13.94%	0.0%
10		4	0.3182	0.276	0.3793	0.0218	0.0436	13.7%	-1.6%
19		4	0.2922	0.2467	0.3367	0.01989	0.03978	13.62%	6.71%
38		4	0.214	0.1707	0.256	0.02012	0.04025	18.81%	31.67%
75		4	0.05517	0.03267	0.08333	0.01048	0.02096	37.99%	82.38%
150		4	0.04033	0.03267	0.05267	0.004376	0.008752	21.7%	87.12%

Mean Dry Biomass-mg Detail					
C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	0.31	0.304	0.2667	0.372
10		0.3073	0.31	0.3793	0.276
19		0.274	0.3367	0.3113	0.2467
38		0.256	0.19	0.1707	0.2393
75		0.05133	0.08333	0.03267	0.05333
150		0.03267	0.036	0.04	0.05267

CETIS Analytical Report

Report Date: 20 Jan-15 09:46 (p 4 of 4)

Test Code: FML120214 | 04-6212-2233

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 06-5520-8397
Analyzed: 29 Dec-14 10:04

Endpoint: Mean Dry Biomass-mg
Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.8.7
Official Results: Yes

CETIS Measurement Report

Report Date: 20 Jan-15 09:46 (p 1 of 2)
 Test Code: FML120214 | 04-6212-2233

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 09-2233-9059	Test Type: Growth-Survival (7d)	Analyst:
Start Date: 02 Dec-14 12:40	Protocol: EPA/821/R-02-013 (2002)	Diluent: Laboratory Water
Ending Date: 09 Dec-14 10:45	Species: Pimephales promelas	Brine: Not Applicable
Duration: 6d 22h	Source: Aquatic Biosystems, CO	Age:
Sample ID: 18-7540-8645	Code: FML120214f	Client: ABC Labs
Sample Date: 02 Dec-14 12:40	Material: Copper chloride	Project: REF TOX
Receive Date:	Source: Reference Toxicant	
Sample Age: NA	Station: REF TOX	

Alkalinity (CaCO3)-mg/L

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	68.75	68.36	69.14	68	69	0.1637	0.4629	0.67%	0
150		8	78	78	78	78	78	0	0	0.0%	0
Overall		16	73.38			68	78				0 (0%)

Conductivity-µmhos

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	341.1	330.7	351.5	333	371	4.401	12.45	3.65%	0
10		8	338.5	332.5	344.5	330	350	2.535	7.171	2.12%	0
19		8	332.3	330.7	333.8	330	335	0.6478	1.832	0.55%	0
38		8	330.9	330.2	331.6	330	332	0.295	0.8345	0.25%	0
75		8	693.1	-163.5	1550	328	3229	362.3	1025	147.8%	0
150		8	331.3	330	332.5	329	333	0.5261	1.488	0.45%	0
Overall		48	394.5			328	3229				0 (0%)

Dissolved Oxygen-mg/L

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.688	7.49	7.885	7.5	8.2	0.08332	0.2357	3.07%	0
10		8	7.738	7.397	8.078	7.1	8.3	0.1438	0.4069	5.26%	0
19		8	7.85	7.473	8.227	7.1	8.3	0.1592	0.4504	5.74%	0
38		8	7.863	7.497	8.228	7.1	8.4	0.1546	0.4373	5.56%	0
75		8	7.9	7.523	8.277	7.1	8.4	0.1592	0.4504	5.7%	0
150		8	7.813	7.471	8.154	7.1	8.3	0.1445	0.4086	5.23%	0
Overall		48	7.808			7.1	8.4				0 (0%)

Hardness (CaCO3)-mg/L

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	90	90	90	90	90	0	0	0.0%	0
150		8	99	99	99	99	99	0	0	0.0%	0
Overall		16	94.5			90	99				0 (0%)

pH-Units

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	7.738	7.528	7.947	7.3	8.1	0.08851	0.2504	3.24%	0
10		8	7.7	7.481	7.919	7.3	8.2	0.09258	0.2619	3.4%	0
19		8	7.675	7.427	7.923	7.2	8.2	0.1048	0.2964	3.86%	0
38		8	7.625	7.381	7.869	7.1	8.1	0.1031	0.2915	3.82%	0
75		8	7.6	7.364	7.836	7.1	8.1	0.1	0.2828	3.72%	0
150		8	7.55	7.297	7.803	7.1	8.1	0.1069	0.3024	4.01%	0
Overall		48	7.648			7.1	8.2				0 (0%)

CETIS Measurement Report

Report Date: 20 Jan-15 09:46 (p 2 of 2)
 Test Code: FML120214 | 04-6212-2233

Fathead Minnow 7-d Larval Survival and Growth Test

Aquatic Bioassay & Consulting Labs, Inc.

Temperature-°C

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	8	24.14	23.93	24.35	24	24.7	0.08851	0.2504	1.04%	0
10		8	24.09	23.91	24.26	24	24.6	0.07425	0.21	0.87%	0
19		8	24.11	23.94	24.28	24	24.6	0.0718	0.2031	0.84%	0
38		8	24.1	23.96	24.24	24	24.5	0.05975	0.169	0.7%	0
75		8	24.1	23.96	24.24	24	24.5	0.05975	0.169	0.7%	0
150		8	24.13	23.97	24.28	24	24.5	0.06478	0.1832	0.76%	0
Overall		48	24.11			24	24.7				0 (0%)

Alkalinity (CaCO3)-mg/L

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	69	69	69	69	69	69	68	68
150		78	78	78	78	78	78	78	78

Conductivity-µmhos

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	371	340	336	334	335	338	333	342
10		338	333	331	350	342	346	330	338
19		334	330	331	332	335	333	330	333
38		332	330	331	331	330	330	331	332
75		333	332	331	331	330	3229	331	328
150		333	331	330	332	330	329	332	333

Dissolved Oxygen-mg/L

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.7	7.5	7.5	7.6	7.5	7.7	7.8	8.2
10		8.2	7.7	7.6	8.3	7.4	7.6	8	7.1
19		8.3	7.9	7.9	8.3	7.5	7.5	8.3	7.1
38		8.1	7.9	8	8.4	7.6	7.5	8.3	7.1
75		8.3	7.9	8	8.4	7.7	7.5	8.3	7.1
150		8.2	7.8	7.7	8.3	7.7	7.5	8.2	7.1

Hardness (CaCO3)-mg/L

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	90	90	90	90	90	90	90	90
150		99	99	99	99	99	99	99	99

pH-Units

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	7.8	8.1	7.8	7.6	7.7	8	7.6	7.3
10		7.6	8.2	7.7	7.8	7.7	7.8	7.5	7.3
19		7.8	8.2	7.6	7.7	7.8	7.7	7.4	7.2
38		7.8	8.1	7.6	7.6	7.7	7.7	7.4	7.1
75		7.8	8.1	7.5	7.6	7.6	7.6	7.5	7.1
150		7.8	8.1	7.5	7.5	7.5	7.6	7.3	7.1

Temperature-°C

C-µg/L	Control Type	1	2	3	4	5	6	7	8
0	Negative Contr	24	24.1	24.7	24	24	24	24.3	24
10		24	24.1	24.6	24	24	24	24	24
19		24	24.1	24.6	24	24	24.1	24.1	24
38		24	24.1	24.5	24	24	24.1	24.1	24
75		24	24.1	24.5	24	24	24.1	24.1	24
150		24	24.1	24.5	24	24	24.1	24.3	24



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Sampling Date: _____ Project Number: 2014/15-2 (Wet)

Sampling Team: _____

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-SCR					X				1	Note 1, Note 2, Note 3
MO-SPA	12/2/14 1010					X			2	Note 1, Note 2, Note 3 1020

Temp. deg. C = 5.7°C
 Chlorine (mg/L) = φ
 NH3 (mg/L) = 1

Relinquished Printed Name ADAM SPENCER

Signature [Signature]

Affiliation UC-10 Date/Time 12/2/14 1325

Received Printed Name Lorena Marquez

Signature [Signature]

Affiliation ABC Date/Time 12/2/14 1325

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
Note 3: Notify District within 24 hours if significant toxicity is observed.



January 20, 2015

Mr. Arnie Anselm
Ventura County Watershed Protection District
800 South Victoria Ave
Ventura, CA 93009

Dear Mr. Anselm:

We are pleased to present the enclosed revised bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms, EPA-600/R95/136, 1995*. Results were as follows:

CLIENT:	County of Ventura
SAMPLE I.D.:	ME-SCR
DATE RECEIVED:	12/12/2014
ABC LAB. NO.:	VCF1214.186

CHRONIC SEA URCHIN FERTILIZATION BIOASSAY

NOEC	=	100.00 %
TU _c	=	<u>1.00</u>
IC25	=	>100.00 %
IC50	=	>100.00 %

Yours very truly,

Scott Johnson
Laboratory Director

CETIS Analytical Report

Report Date: 20 Jan-15 09:45 (p 2 of 2)
 Test Code: VCF1214.186urcf | 20-7745-1818

Purple Sea Urchin Sperm Cell Fertilization Test Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 21-1853-3460 Endpoint: Fertilization Rate CETIS Version: CETISv1.8.7
 Analyzed: 20 Jan-15 9:43 Analysis: Parametric-Control vs Treatments Official Results: Yes

Angular (Corrected) Transformed Summary

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Contr	4	1.367	1.294	1.439	1.357	1.323	1.429	0.02276	3.33%	0.0%
6.25		4	1.331	1.273	1.388	1.334	1.284	1.369	0.01813	2.73%	2.65%
12.5		4	1.326	1.256	1.396	1.334	1.266	1.369	0.02209	3.33%	2.98%
25		4	1.353	1.303	1.402	1.345	1.323	1.397	0.01557	2.3%	1.03%
50		4	1.331	1.273	1.388	1.334	1.284	1.369	0.01813	2.73%	2.65%
100		4	1.342	1.278	1.406	1.334	1.303	1.397	0.02015	3.0%	1.8%

Fertilization Rate Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	0.95	0.94	0.96	0.98
6.25		0.92	0.94	0.96	0.95
12.5		0.94	0.95	0.96	0.91
25		0.94	0.95	0.97	0.95
50		0.96	0.92	0.94	0.95
100		0.97	0.95	0.93	0.94

Angular (Corrected) Transformed Detail

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	1.345	1.323	1.369	1.429
6.25		1.284	1.323	1.369	1.345
12.5		1.323	1.345	1.369	1.266
25		1.323	1.345	1.397	1.345
50		1.369	1.284	1.323	1.345
100		1.397	1.345	1.303	1.323

Fertilization Rate Binomials

C-%	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Contro	95/100	94/100	96/100	98/100
6.25		92/100	94/100	96/100	95/100
12.5		94/100	95/100	96/100	91/100
25		94/100	95/100	97/100	95/100
50		96/100	92/100	94/100	95/100
100		97/100	95/100	93/100	94/100

CETIS Analytical Report

Report Date: 20 Jan-15 09:45 (p 2 of 2)

Test Code: VCF1214.186urcf | 20-7745-1818

Purple Sea Urchin Sperm Cell Fertilization Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 16-7303-2624
Analyzed: 20 Jan-15 9:43

Endpoint: Fertilization Rate
Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.8.7
Official Results: Yes

CETIS Measurement Report

Report Date: 20 Jan-15 09:45 (p 1 of 2)
 Test Code: VCF1214.186urcf | 20-7745-1818

Purple Sea Urchin Sperm Cell Fertilization Test Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 18-2031-7144	Test Type: Fertilization	Analyst: Joe Freas
Start Date: 12 Dec-14 14:04	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 12 Dec-14 14:44	Species: Strongylocentrotus purpuratus	Brine: Not Applicable
Duration: 40m	Source: David Gutoff	Age:
Sample ID: 14-5970-0465	Code: VCF1214.186uf	Client: VCWPD
Sample Date: 12 Dec-14 02:40	Material: Sample Water	Project: 2014/15-3 (Wet)
Receive Date: 12 Dec-14 10:35	Source: Bioassay Report	
Sample Age: 11h (7.8 °C)	Station: ME-SCR	

Parameter Acceptability Criteria

Parameter	Min	Max	Acceptability Limits	Overlap	Decision
Salinity-ppt	34	34	32 - 36	Yes	Results Within Limits
Temperature-°C	14.8	14.9	11 - 13	Yes	Results Above Limit

Dissolved Oxygen-mg/L

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	6.7	5.429	7.971	6.6	6.8	0.09999	0.1414	2.11%	0
6.25		2	6.35	4.444	8.256	6.2	6.5	0.15	0.2121	3.34%	0
12.5		2	6.35	4.444	8.256	6.2	6.5	0.15	0.2121	3.34%	0
25		2	6.35	4.444	8.256	6.2	6.5	0.15	0.2121	3.34%	0
50		2	6.35	4.444	8.256	6.2	6.5	0.15	0.2121	3.34%	0
100		2	6.55	5.915	7.185	6.5	6.6	0.04999	0.0707	1.08%	0
Overall		12	6.442			6.2	6.8				0 (0%)

pH-Units

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
6.25		2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
12.5		2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
25		2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
50		2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
100		2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
Overall		12	7.9			7.9	7.9				0 (0%)

Salinity-ppt

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	34	34	34	34	34	0	0	0.0%	0
6.25		2	34	34	34	34	34	0	0	0.0%	0
12.5		2	34	34	34	34	34	0	0	0.0%	0
25		2	34	34	34	34	34	0	0	0.0%	0
50		2	34	34	34	34	34	0	0	0.0%	0
100		2	34	34	34	34	34	0	0	0.0%	0
Overall		12	34			34	34				0 (0%)

Temperature-°C

C-%	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
6.25		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
12.5		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
25		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
50		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
100		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
Overall		12	14.85			14.8	14.9				0 (0%)

CETIS Measurement Report

Report Date: 20 Jan-15 09:45 (p 2 of 2)
Test Code: VCF1214.186urcf | 20-7745-1818

Purple Sea Urchin Sperm Cell Fertilization Test

Aquatic Bioassay & Consulting Labs, Inc.

Dissolved Oxygen-mg/L

C-%	Control Type	1	2
0	Negative Contr	6.6	6.8
6.25		6.5	6.2
12.5		6.5	6.2
25		6.5	6.2
50		6.5	6.2
100		6.5	6.6

pH-Units

C-%	Control Type	1	2
0	Negative Contr	7.9	7.9
6.25		7.9	7.9
12.5		7.9	7.9
25		7.9	7.9
50		7.9	7.9
100		7.9	7.9

Salinity-ppt

C-%	Control Type	1	2
0	Negative Contr	34	34
6.25		34	34
12.5		34	34
25		34	34
50		34	34
100		34	34

Temperature-°C

C-%	Control Type	1	2
0	Negative Contr	14.8	14.9
6.25		14.8	14.9
12.5		14.8	14.9
25		14.8	14.9
50		14.8	14.9
100		14.8	14.9



CHRONIC SEA URCHIN FERTILIZATION BIOASSAY

DATE: 12/12/2014

STANDARD TOXICANT: Copper Chloride

NOEC = 18.00 ug/l

EC25 = 34.48 ug/l

EC50 = 47.45 ug/l

Yours very truly,

Scott Johnson
Laboratory Director

CETIS Summary Report

Report Date: 20 Jan-15 09:44 (p 1 of 1)

Test Code: URCF121214 | 06-1334-3930

Purple Sea Urchin Sperm Cell Fertilization Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 11-2990-1816	Test Type: Fertilization	Analyst: Joe Freas
Start Date: 12 Dec-14 14:03	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 12 Dec-14 14:43	Species: Strongylocentrotus purpuratus	Brine: Not Applicable
Duration: 40m	Source: David Gutoff	Age:
Sample ID: 19-2223-3076	Code: URC121214	Client: Internal Lab
Sample Date: 12 Dec-14	Material: Copper chloride	Project:
Receive Date: 12 Dec-14	Source: Reference Toxicant	
Sample Age: 14h	Station: REF TOX	

Comparison Summary

Analysis ID	Endpoint	NOEL	LOEL	TOEL	PMSD	TU	Method
02-8303-1487	Fertilization Rate	18	32	24	3.77%		Dunnett Multiple Comparison Test

Point Estimate Summary

Analysis ID	Endpoint	Level	µg/L	95% LCL	95% UCL	TU	Method
06-7990-2716	Fertilization Rate	EC5	21.46	20.8	21.96		Linear Interpolation (ICPIN)
		EC10	24.93	23.78	25.91		
		EC15	28.39	26.7	29.87		
		EC20	31.85	29.6	33.25		
		EC25	34.48	32.72	35.69		
		EC40	42.26	40.83	43.76		
		EC50	47.45	45.75	49.56		

Test Acceptability

Analysis ID	Endpoint	Attribute	Test Stat	TAC Limits	Overlap	Decision
02-8303-1487	Fertilization Rate	Control Resp	0.9325	0.7 - NL	Yes	Passes Acceptability Criteria
06-7990-2716	Fertilization Rate	Control Resp	0.9325	0.7 - NL	Yes	Passes Acceptability Criteria
02-8303-1487	Fertilization Rate	PMSD	0.03772	NL - 0.25	No	Passes Acceptability Criteria

Fertilization Rate Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	%Effect
0	Negative Contro	4	0.9325	0.8997	0.9653	0.91	0.95	0.01031	0.02062	2.21%	0.0%
18		4	0.9475	0.9323	0.9627	0.94	0.96	0.004787	0.009575	1.01%	-1.61%
32		4	0.75	0.7156	0.7844	0.72	0.77	0.0108	0.0216	2.88%	19.57%
56		4	0.315	0.2562	0.3738	0.28	0.36	0.01848	0.03697	11.74%	66.22%
100		4	0.0725	0.02498	0.12	0.04	0.11	0.01493	0.02986	41.19%	92.23%
180		4	0	0	0	0	0	0	0		100.0%

Fertilization Rate Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Contro	0.92	0.95	0.91	0.95
18		0.94	0.95	0.96	0.94
32		0.77	0.76	0.72	0.75
56		0.36	0.28	0.29	0.33
100		0.06	0.08	0.11	0.04
180		0	0	0	0

Fertilization Rate Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Contro	92/100	95/100	91/100	95/100
18		94/100	95/100	96/100	94/100
32		77/100	76/100	72/100	75/100
56		36/100	28/100	29/100	33/100
100		6/100	8/100	11/100	4/100
180		0/100	0/100	0/100	0/100

CETIS Analytical Report

Report Date: 20 Jan-15 09:44 (p 1 of 2)
 Test Code: URCF121214 | 06-1334-3930

Purple Sea Urchin Sperm Cell Fertilization Test			Aquatic Bioassay & Consulting Labs, Inc.		
Analysis ID: 02-8303-1487	Endpoint: Fertilization Rate	CETIS Version: CETISv1.8.7			
Analyzed: 20 Jan-15 9:43	Analysis: Parametric-Control vs Treatments	Official Results: Yes			
Batch ID: 11-2990-1816	Test Type: Fertilization	Analyst: Joe Freas			
Start Date: 12 Dec-14 14:03	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater			
Ending Date: 12 Dec-14 14:43	Species: Strongylocentrotus purpuratus	Brine: Not Applicable			
Duration: 40m	Source: David Gutoff	Age:			
Sample ID: 19-2223-3076	Code: URC121214	Client: Internal Lab			
Sample Date: 12 Dec-14	Material: Copper chloride	Project:			
Receive Date: 12 Dec-14	Source: Reference Toxicant				
Sample Age: 14h	Station: REF TOX				

Data Transform	Zeta	Alt Hyp	Trials	Seed	PMSD	NOEL	LOEL	TOEL	TU
Angular (Corrected)	NA	C > T	NA	NA	3.77%	18	32	24	

Dunnett Multiple Comparison Test

Control	vs C-µg/L	Test Stat	Critical	MSD	DF	P-Value	P-Type	Decision(α:5%)
Negative Control	18	-1.084	2.356	0.066	6	0.9798	CDF	Non-Significant Effect
	32*	9.441	2.356	0.066	6	<0.0001	CDF	Significant Effect
	56*	25.68	2.356	0.066	6	<0.0001	CDF	Significant Effect
	100*	37.43	2.356	0.066	6	<0.0001	CDF	Significant Effect

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.9325	0.7 - NL	Yes	Passes Acceptability Criteria
PMSD	0.03772	NL - 0.25	No	Passes Acceptability Criteria

ANOVA Table

Source	Sum Squares	Mean Square	DF	F Stat	P-Value	Decision(α:5%)
Between	3.499185	0.8747963	4	564.8	<0.0001	Significant Effect
Error	0.02323312	0.001548875	15			
Total	3.522418		19			

Distributional Tests

Attribute	Test	Test Stat	Critical	P-Value	Decision(α:1%)
Variances	Bartlett Equality of Variance	3.186	13.28	0.5272	Equal Variances
Variances	Mod Levene Equality of Variance	1.848	4.893	0.1722	Equal Variances
Variances	Levene Equality of Variance	2.059	4.893	0.1373	Equal Variances
Distribution	Shapiro-Wilk W Normality	0.9828	0.866	0.9653	Normal Distribution
Distribution	Kolmogorov-Smirnov D	0.1367	0.2235	0.4267	Normal Distribution
Distribution	D'Agostino Skewness	0.1344	2.576	0.8931	Normal Distribution
Distribution	D'Agostino Kurtosis	0.469	2.576	0.6390	Normal Distribution
Distribution	D'Agostino-Pearson K2 Omnibus	0.2381	9.21	0.8878	Normal Distribution
Distribution	Anderson-Darling A2 Normality	0.2342	3.878	0.8234	Normal Distribution

Fertilization Rate Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Control	4	0.9325	0.8997	0.9653	0.935	0.91	0.95	0.01031	2.21%	0.0%
18		4	0.9475	0.9323	0.9627	0.945	0.94	0.96	0.004787	1.01%	-1.61%
32		4	0.75	0.7156	0.7844	0.755	0.72	0.77	0.0108	2.88%	19.57%
56		4	0.315	0.2562	0.3738	0.31	0.28	0.36	0.01848	11.74%	66.22%
100		4	0.0725	0.02498	0.12	0.07	0.04	0.11	0.01493	41.19%	92.23%
180		4	0	0	0	0	0	0	0		100.0%

CETIS Analytical Report

Report Date: 20 Jan-15 09:44 (p 2 of 2)
 Test Code: URCF121214 | 06-1334-3930

Purple Sea Urchin Sperm Cell Fertilization Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 02-8303-1487 Endpoint: Fertilization Rate CETIS Version: CETISv1.8.7
 Analyzed: 20 Jan-15 9:43 Analysis: Parametric-Control vs Treatments Official Results: Yes

Angular (Corrected) Transformed Summary

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Median	Min	Max	Std Err	CV%	%Effect
0	Negative Contr	4	1.31	1.245	1.376	1.315	1.266	1.345	0.0206	3.14%	0.0%
18		4	1.34	1.305	1.375	1.334	1.323	1.369	0.01099	1.64%	-2.3%
32		4	1.047	1.008	1.087	1.053	1.013	1.071	0.01238	2.36%	20.05%
56		4	0.5954	0.5322	0.6586	0.5903	0.5576	0.6435	0.01985	6.67%	54.55%
100		4	0.2684	0.176	0.3608	0.2671	0.2014	0.3381	0.02904	21.64%	79.51%
180		4	0.05002	0.05001	0.05003	0.05002	0.05002	0.05002	0	0.0%	96.18%

Fertilization Rate Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	0.92	0.95	0.91	0.95
18		0.94	0.95	0.96	0.94
32		0.77	0.76	0.72	0.75
56		0.36	0.28	0.29	0.33
100		0.06	0.08	0.11	0.04
180		0	0	0	0

Angular (Corrected) Transformed Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	1.284	1.345	1.266	1.345
18		1.323	1.345	1.369	1.323
32		1.071	1.059	1.013	1.047
56		0.6435	0.5576	0.5687	0.6119
100		0.2475	0.2868	0.3381	0.2014
180		0.05002	0.05002	0.05002	0.05002

Fertilization Rate Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Contro	92/100	95/100	91/100	95/100
18		94/100	95/100	96/100	94/100
32		77/100	76/100	72/100	75/100
56		36/100	28/100	29/100	33/100
100		6/100	8/100	11/100	4/100
180		0/100	0/100	0/100	0/100

CETIS Analytical Report

Report Date: 20 Jan-15 09:44 (p 1 of 2)
 Test Code: URCF121214 | 06-1334-3930

Purple Sea Urchin Sperm Cell Fertilization Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 06-7990-2716	Endpoint: Fertilization Rate	CETIS Version: CETISv1.8.7
Analyzed: 20 Jan-15 9:43	Analysis: Linear Interpolation (ICPIN)	Official Results: Yes
Batch ID: 11-2990-1816	Test Type: Fertilization	Analyst: Joe Freas
Start Date: 12 Dec-14 14:03	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 12 Dec-14 14:43	Species: Strongylocentrotus purpuratus	Brine: Not Applicable
Duration: 40m	Source: David Guttoff	Age:
Sample ID: 19-2223-3076	Code: URC121214	Client: Internal Lab
Sample Date: 12 Dec-14	Material: Copper chloride	Project:
Receive Date: 12 Dec-14	Source: Reference Toxicant	
Sample Age: 14h	Station: REF TOX	

Linear Interpolation Options

X Transform	Y Transform	Seed	Resamples	Exp 95% CL	Method
Linear	Linear	0	280	Yes	Two-Point Interpolation

Test Acceptability Criteria

Attribute	Test Stat	TAC Limits	Overlap	Decision
Control Resp	0.9325	0.7 - NL	Yes	Passes Acceptability Criteria

Point Estimates

Level	µg/L	95% LCL	95% UCL
EC5	21.46	20.8	21.96
EC10	24.93	23.78	25.91
EC15	28.39	26.7	29.87
EC20	31.85	29.6	33.25
EC25	34.48	32.72	35.69
EC40	42.26	40.83	43.76
EC50	47.45	45.75	49.56

Fertilization Rate Summary

Calculated Variate(A/B)

C-µg/L	Control Type	Count	Mean	Min	Max	Std Err	Std Dev	CV%	%Effect	A	B
0	Negative Control	4	0.9325	0.91	0.95	0.01031	0.02062	2.21%	0.0%	373	400
18		4	0.9475	0.94	0.96	0.004787	0.009575	1.01%	-1.61%	379	400
32		4	0.75	0.72	0.77	0.0108	0.0216	2.88%	19.57%	300	400
56		4	0.315	0.28	0.36	0.01848	0.03697	11.74%	66.22%	126	400
100		4	0.0725	0.04	0.11	0.01493	0.02986	41.19%	92.23%	29	400
180		4	0	0	0	0	0	100.0%	100.0%	0	400

Fertilization Rate Detail

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	0.92	0.95	0.91	0.95
18		0.94	0.95	0.96	0.94
32		0.77	0.76	0.72	0.75
56		0.36	0.28	0.29	0.33
100		0.06	0.08	0.11	0.04
180		0	0	0	0

Fertilization Rate Binomials

C-µg/L	Control Type	Rep 1	Rep 2	Rep 3	Rep 4
0	Negative Control	92/100	95/100	91/100	95/100
18		94/100	95/100	96/100	94/100
32		77/100	76/100	72/100	75/100
56		36/100	28/100	29/100	33/100
100		6/100	8/100	11/100	4/100
180		0/100	0/100	0/100	0/100

CETIS Analytical Report

Report Date: 20 Jan-15 09:44 (p 2 of 2)
Test Code: URCF121214 | 06-1334-3930

Purple Sea Urchin Sperm Cell Fertilization Test

Aquatic Bioassay & Consulting Labs, Inc.

Analysis ID: 06-7990-2716 Endpoint: Fertilization Rate
Analyzed: 20 Jan-15 9:43 Analysis: Linear Interpolation (ICPIN)

CETIS Version: CETISv1.8.7
Official Results: Yes

CETIS Measurement Report

Report Date: 20 Jan-15 09:44 (p 1 of 2)
 Test Code: URCF121214 | 06-1334-3930

Purple Sea Urchin Sperm Cell Fertilization Test

Aquatic Bioassay & Consulting Labs, Inc.

Batch ID: 11-2990-1816	Test Type: Fertilization	Analyst: Joe Freas
Start Date: 12 Dec-14 14:03	Protocol: EPA/600/R-95/136 (1995)	Diluent: Laboratory Seawater
Ending Date: 12 Dec-14 14:43	Species: Strongylocentrotus purpuratus	Brine: Not Applicable
Duration: 40m	Source: David Gutoff	Age:
Sample ID: 19-2223-3076	Code: URC121214	Client: Internal Lab
Sample Date: 12 Dec-14	Material: Copper chloride	Project:
Receive Date: 12 Dec-14	Source: Reference Toxicant	
Sample Age: 14h	Station: REF TOX	

Parameter Acceptability Criteria

Parameter	Min	Max	Acceptability Limits	Overlap	Decision
Salinity-ppt	34	34	32 - 36	Yes	Results Within Limits
Temperature-°C	14.8	14.9	11 - 13	Yes	Results Above Limit

Dissolved Oxygen-mg/L

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	6.7	5.429	7.971	6.6	6.8	0.09999	0.1414	2.11%	0
18		2	6.35	4.444	8.256	6.2	6.5	0.15	0.2121	3.34%	0
32		2	6.55	5.915	7.185	6.5	6.6	0.04999	0.0707	1.08%	0
56		2	6.35	4.444	8.256	6.2	6.5	0.15	0.2121	3.34%	0
100		2	6.35	4.444	8.256	6.2	6.5	0.15	0.2121	3.34%	0
180		2	6.25	3.073	9.427	6	6.5	0.25	0.3536	5.66%	0
Overall		12	6.425			6	6.8				0 (0%)

pH-Units

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
18		2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
32		2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
56		2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
100		2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
180		2	7.9	7.884	7.916	7.9	7.9	0	0	0.0%	0
Overall		12	7.9			7.9	7.9				0 (0%)

Salinity-ppt

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	34	34	34	34	34	0	0	0.0%	0
18		2	34	34	34	34	34	0	0	0.0%	0
32		2	34	34	34	34	34	0	0	0.0%	0
56		2	34	34	34	34	34	0	0	0.0%	0
100		2	34	34	34	34	34	0	0	0.0%	0
180		2	34	34	34	34	34	0	0	0.0%	0
Overall		12	34			34	34				0 (0%)

Temperature-°C

C-µg/L	Control Type	Count	Mean	95% LCL	95% UCL	Min	Max	Std Err	Std Dev	CV%	QA Count
0	Negative Contr	2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
18		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
32		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
56		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
100		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
180		2	14.85	14.21	15.49	14.8	14.9	0.05004	0.07077	0.48%	0
Overall		12	14.85			14.8	14.9				0 (0%)

CETIS Measurement Report

Report Date: 20 Jan-15 09:44 (p 2 of 2)

Test Code: URCF121214 | 06-1334-3930

Purple Sea Urchin Sperm Cell Fertilization Test

Aquatic Bioassay & Consulting Labs, Inc.

Dissolved Oxygen-mg/L

C-µg/L	Control Type	1	2
0	Negative Contr	6.6	6.8
18		6.5	6.2
32		6.6	6.5
56		6.5	6.2
100		6.5	6.2
180		6.5	6

pH-Units

C-µg/L	Control Type	1	2
0	Negative Contr	7.9	7.9
18		7.9	7.9
32		7.9	7.9
56		7.9	7.9
100		7.9	7.9
180		7.9	7.9

Salinity-ppt

C-µg/L	Control Type	1	2
0	Negative Contr	34	34
18		34	34
32		34	34
56		34	34
100		34	34
180		34	34

Temperature-°C

C-µg/L	Control Type	1	2
0	Negative Contr	14.8	14.9
18		14.8	14.9
32		14.8	14.9
56		14.8	14.9
100		14.8	14.9
180		14.8	14.9



Chain of Custody Record
Ventura County Watershed Protection District
NPDES Stormwater Monitoring Program
Project: NPDES Stormwater Wet Season
Toxicity - ABC Laboratories

Sampling Date: 12/12/14 Project Number: 2014/15-~~1~~³ (Wet)
 Sampling Team: AA, WW

SAMPLE ID	DATE/TIME COLLECTED	Chronic toxicity - topsmelt (<i>Atherinops affinis</i>)	Chronic toxicity - inland silverside (<i>Menidia beryllina</i>)	Chronic toxicity - giant kelp (<i>Macrocystis pyrifera</i>)	Chronic toxicity - purple sea urchin (<i>Strongylocentrotus purpuratus</i>)	Chronic toxicity - fathead minnow (<i>Pimephales promelas</i>)	Chronic toxicity - daphnid (<i>Ceriodaphnia dubia</i>)	Chronic toxicity - green alga (<i>Raphidocelis subcapitata</i>)	Number of 5-Gallon Buckets	NOTES
ME-SCR	12/12/14 0240				X				1	Note 1, Note 2, Note 3
MO-SPA						X			2	Note 1, Note 2, Note 3
										Temp. deg C = 7.8°C
										Chloride (mg/L) = 20.1
										NH3 (mg/L) = 2.1

Relinquished Printed Name BRAM SERCU
 Signature [Signature]
 Affiliation VCWPD Date/Time 12/12/14 1035

Received Printed Name Jim Moran
 Signature [Signature]
 Affiliation AQUATIC BIOSSAY Date/Time 12-12-14 1035

Other Notes: Note 1: Dilutions - 6.25%, 12.5%, 25%, 50%, 100% Note 2: Please execute TIE if mortality > 50%
Note 3: Notify District within 24 hours if significant toxicity is observed.

Appendix J. Dry-Weather Analytical Monitoring Results

	Site ID	Port Hueneme-3	Unincorporated-4	Camarillo-1	Fillmore-1
		DRY-HUE3	DRY-UNI4	MO-CAM	MO-FIL
	At Major Outfall?	No	No	Yes	Yes
	Location	Bubbling Springs @ RR xing	Arroyo Santa Rosa at Box Canyon confluence	Camarillo Hills Drain	North Fillmore Drain
	Date	08/20/15	08/19/15	08/20/15	08/19/15
	Time	1140	1310	810	1030
Site Description	Conveyence Type	Natural channel	Box culvert	Box culvert	Box culvert
	Dimensions	N/A	N/A	8' x 24'	N/A
	Dominant Land Use	Commercial & residential	Residential & rural	Commercial & residential	Residential
	Site Elevation	10	250	100	430
Weather	Weather	Overcast	Clear	Overcast	Partly Cloudy
	Wind Condition	Slight breeze	Moderate breeze	Calm	Calm
	Air Temp. (°C)	22.2	21.5	19.3	23.5
Trash	Trash (general area)	Light	None	Light	Light
	Trash (stream banks)	Light	Light	Light	Moderate
Observations	Water Clarity	Muddy	Clear	Clear	Clear
	Water Color	Clear	Clear	Clear	Clear
	Odors	None	None	None	None
	Floatables	None	None	None	None
	Foam	None	None	None	None
	Stains/ deposits	None	None	None	None
	Structural condition	Natural channel	Concrete channel	Concrete channel	Rip rap with concrete bottom to natural bottom
	Vegetation Condition	Maintained grass/park	Herbaceous growth downstream: 80% dead/20% new growth	Small herbaceous growth in expansion joints	Juvenile cattails
	Biology	Ducks in vicinity	NA	NA	NA
	Algae (suspended)	None	None	None	None
Algae (substrate)	None	Green 50%	Brown 50%	None	
Water Chemistry (Field)	Dissolved Oxygen (%)	47.4	138.1	129.3	90.1
	Dissolved Oxygen (mg/L)	3.98	11.87	11.16	7.80
	Conductivity (µS)	9230	1020	12.25	1424
	Specific Conductance (µS)	10450	1071	1290	1510
	Salinity (ppt)	5.9	0.5	0.6	0.8
	Water Temp. (°C)	23.2	22.5	22.4	22.0
	Water Temp. (°F)	73.8	72.5	72.3	71.6
	pH	7.31	9.02	8.59	8.14
Water Chemistry (Lab)	Turbidity (NTU)	15.70	6.31	2.33	4.71
	Total Organic Carbon (mg/L)	5.5	16	14	6.7
	Total Hardness as CaCO ₃ (mg/L)	1690	372	360	650
	Total Calcium (mg/L)	300	61.0	92.0	171
	Total Magnesium (mg/L)	230	53.2	31.6	54.4
	Dissolved Copper (µg/L)	DNQ (0.21)	6.8	17	19
	Dissolved Lead (µg/L)	DNQ (0.031)	DNQ (0.058)	DNQ (0.14)	DNQ (0.041)
	Dissolved Zinc (µg/L)	DNQ (1.2)	DNQ (3.8)	8.2	DNQ (4.6)
Estimated Flow	Total Coliform (MPN/100 mL)	201,400	160,700	172,300	3,873
	<i>E. coli</i> (MPN/100 mL)	44,100	488	368	62
	Flow Status	Flowing	Flowing	Flowing	Flowing
	Water Width (ft.)	8.0	1.0	1.0	1.5
	Water Depth (ft.)	1.50	0.01	0.01	0.05
Estimated Flow	Flow Velocity (ft/s)	1.00	0.10	1.00	0.40
	Flow Rate (ft ³ /s)	12.00	<0.01	0.01	0.03
	Comments	Flow picked up while onsite, which stirred sediments. Possibly due to downstream pumps being turned on.	pH (9.00, 9.04)	pH (8.53, 8.65)	

	Site ID	Moorpark-2	Ojai-6	Oxnard-1	Santa Paula-2
		DRY-MPK2	DRY-OJA6	MO-OXN	DRY-SPA2
	At Major Outfall?	No	No	Yes	No
	Location	Gabbert Drain	Tributary to Fox Barranca	El Rio Drain above MO-OXN	Fagan Canyon
	Date	08/19/15	08/20/15	08/20/15	08/19/15
	Time	1120	1010	735	920
Site Description	Conveyence Type	Box culvert	Natural channel	Trapezoidal channel	Box culvert
	Dimensions	5' x 12'	N/A	5.5' x 12'(toe) x 34'(top)	6.5' x 20'
	Dominant Land Use	Commercial & residential	Residential	Commercial & residential	Commercial & residential
	Site Elevation	460	730	60	240
Weather	Weather	Partly Cloudy	Clear	Overcast	Overcast
	Wind Condition	Slight breeze	Calm	Calm	Calm
	Air Temp. (°C)	26.3	20	18.4	21.1
Trash	Trash (general area)	Light	None	Moderate	Light
	Trash (stream banks)	Moderate	Light	Moderate	Moderate
Observations	Water Clarity	Clear	Clear	Clear	Clear
	Water Color	Clear	Clear	Clear	Clear
	Odors	None	None	None	None
	Floatables	None	None	None	None
	Foam	None	None	None	None
	Stains/ deposits	None	None	None	None
	Structural condition	Concrete channel	Engineered channel	Concrete channel	Concrete channel
	Vegetation Condition	None	Abundant blackberry	Some herbaceous growth in expansion joints	None
	Biology	NA	NA	NA	NA
	Algae (suspended)	None	None	None	None
Algae (substrate)	Green 5%	None	Green 40%	Green 50%	
Water Chemistry (Field)	Dissolved Oxygen (%)	156.1	64.1	96.4	109.4
	Dissolved Oxygen (mg/L)	11.48	5.90	8.76	9.64
	Conductivity (µS)	890	1489	804	852
	Specific Conductance (µS)	790	1688	893	921
	Salinity (ppt)	0.4	0.9	0.4	0.5
	Water Temp. (°C)	31.4	18.9	19.8	20.7
	Water Temp. (°F)	88.5	66.0	67.6	69.3
	pH	9.99	7.41	8.26	9.22
Water Chemistry (Lab)	Turbidity (NTU)	5.37	12.00	1.07	2.27
	Total Organic Carbon (mg/L)	9.8	4.6	2.9	4.8
	Total Hardness as CaCO ₃ (mg/L)	134	848	253	464
	Total Calcium (mg/L)	45.4	246	66.1	104
	Total Magnesium (mg/L)	4.90	57.1	21.3	49.8
	Dissolved Copper (µg/L)	7.9	DNQ (0.26)	1.6	1.4
	Dissolved Lead (µg/L)	0.25	ND (<0.031)	DNQ (0.066)	DNQ (0.073)
	Dissolved Zinc (µg/L)	DNQ (3.6)	DNQ (1.6)	DNQ (2.3)	DNQ (3.1)
Estimated Flow	Total Coliform (MPN/100 mL)	2,359	19,863	209	119,800
	<i>E. coli</i> (MPN/100 mL)	10	3,076	10	2,359
	Flow Status	Flowing	Flowing	Flowing	Flowing
	Water Width (ft.)	1.0	2.0	10.0	2.0
	Water Depth (ft.)	0.01	0.10	0.07	<0.005
Estimated Flow	Flow Velocity (ft/s)	0.50	0.01	0.20	1.00
	Flow Rate (ft ³ /s)	<0.01	<0.01	0.14	0.01
	Comments	ph (9.99, 9.99)			

	Site ID	Simi Valley-1	Thousand Oaks-1	Ventura-1
		MO-SIM	MO-THO	MO-VEN
	At Major Outfall?	Yes	Yes	Yes
	Location	Bus Canyon Drain	North Fork Arroyo Concejo at Hill Canyon WWTP	Moon Ditch
	Date	08/19/15	08/19/15	08/20/15
	Time	1230	1345	655
Site Description	Conveyence Type	Box culvert	Natural channel	Trapezoidal channel
	Dimensions	7' x 16'	N/A	7.5' x 20'(toe) x 35'(top)
	Dominant Land Use	Commercial & residential	Commercial, residential & rural	Commercial & residential
	Site Elevation	760	280	70
Weather	Weather	Clear	Clear	Overcast
	Wind Condition	Calm	Slight breeze	Slight breeze
	Air Temp. (°C)	28.3	25.4	18.5
Trash	Trash (general area)	Light	None	None
	Trash (stream banks)	Light	Light	Light
Observations	Water Clarity	Clear	Clear	Clear
	Water Color	Clear	Clear	Clear
	Odors	None	None	None
	Floatables	None	None	None
	Foam	None	None	None
	Stains/ deposits	None	None	None
	Structural condition	Concrete channel	Rip-rap with natural bottom	Concrete channel
	Vegetation Condition	None	Cattails, willows	Some herbaceous growth in expansion joints
	Biology	NA	NA	NA
	Algae (suspended)	None	None	None
Water Chemistry (Field)	Algae (substrate)	Green 50%	Green 30%	None
	Dissolved Oxygen (%)	161.7	147.9	82.4
	Dissolved Oxygen (mg/L)	13.18	12.05	7.16
	Conductivity (µS)	2679	1891	1956
	Specific Conductance (µS)	2672	1868	2063
	Salinity (ppt)	1.4	0.9	1.1
	Water Temp. (°C)	25.2	25.6	22.1
	Water Temp. (°F)	77.4	78.1	71.8
	pH	8.01	8.35	8.45
	Turbidity (NTU)	2.55	3.68	15.10
Water Chemistry (Lab)	Total Organic Carbon (mg/L)	2.8	3.6	47
	Total Hardness as CaCO ₃ (mg/L)	1150	660	808
	Total Calcium (mg/L)	294	98.4	174
	Total Magnesium (mg/L)	99.9	101	90.8
	Dissolved Copper (µg/L)	0.65	0.99	170
	Dissolved Lead (µg/L)	ND (<0.031)	DNQ (0.040)	0.77
	Dissolved Zinc (µg/L)	DNQ (0.98)	DNQ (1.6)	38
	Total Coliform (MPN/100 mL)	139,600	1,650	224,700
Estimated Flow	<i>E. coli</i> (MPN/100 mL)	2,682	677	12,997
	Flow Status	Flowing	Flowing	Flowing
	Water Width (ft.)	7.0	5.0	20.0
	Water Depth (ft.)	0.02	0.25	0.01
	Flow Velocity (ft/s)	1.00	1.00	0.25
	Flow Rate (ft ³ /s)	0.14	1.25	0.05
	Comments			Dry on arrival. Flow started while onsite.

Appendix K. Formulas for WQO determination

BASIN PLAN and CALIFORNIA TOXICS RULE OBJECTIVES: FORMULAS

AMMONIA (BASIN PLAN)

Basin Plan Ammonia Objective formula selection is based on wet or dry event, COLD/MIGR designation status, early life stages (ELS) status, and salinity.

See the flow charts below to determine which formula to use:

Basin Plan NH3-N Objectives for Wet Weather

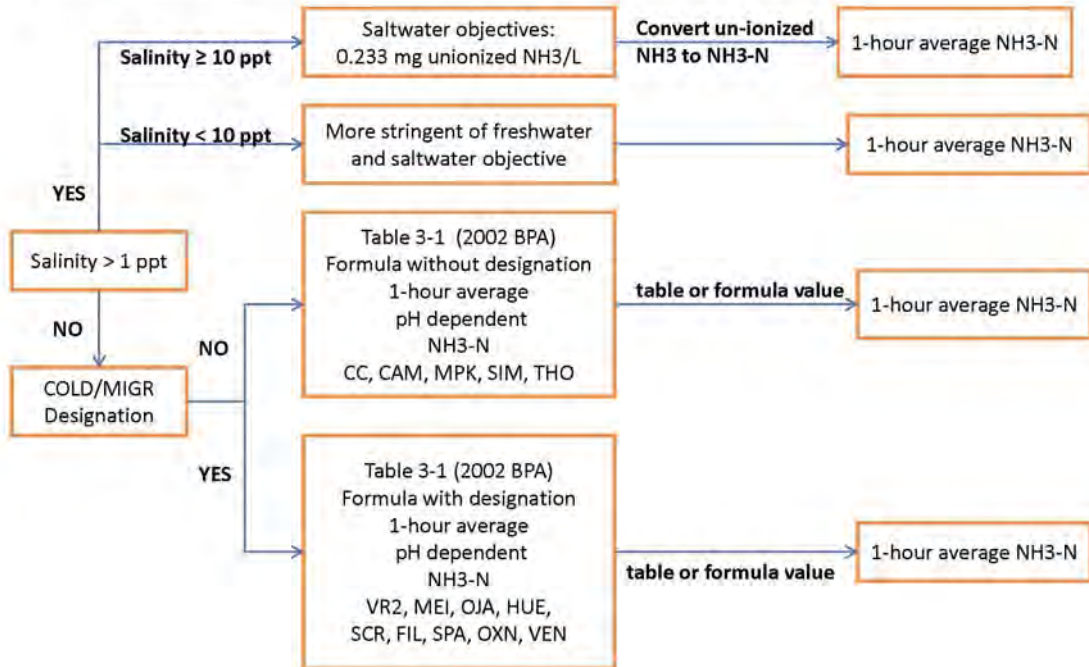


Table 3-1: One hour Average Objective for Ammonia-N for Freshwaters (mg N/L)

COLD and/or MIGR:

$$= \frac{0.275}{1 + 10^{7.204 - pH}} + \frac{39.0}{1 + 10^{pH - 7.204}}$$

NOT COLD and/or MIGR:

$$= \frac{0.411}{1 + 10^{7.204 - pH}} + \frac{58.4}{1 + 10^{pH - 7.204}}$$

Saltwater 1-hour objective for Ammonia-N

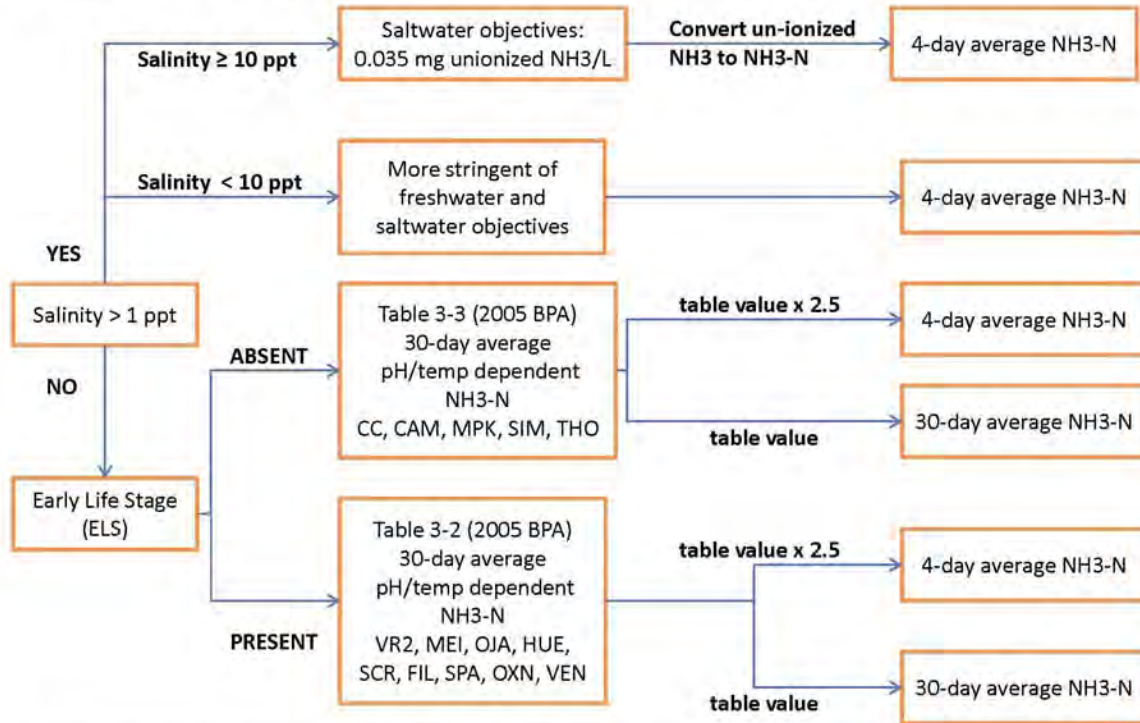
$$= 0.233 * \left(1 + 10^{\left[\left(9.245 + 0.116 * \frac{19.9273 * S}{1000 - 1.005109 * S}\right) + 0.0324(298 - T) + \frac{(0.0415)P}{T} - pH \right]}\right)$$

Where T= temperature expressed in °K (Note: Kelvin = Celsius + 273)

S = salinity (ppt)

P = pressure (assumed to be 1 atm)

Basin Plan NH3-N Objectives for Dry Weather



BPA 2005 p15-11 "Implementation actions to achieve applicable ammonia objectives must implement downstream objectives."
 NH3-N = NH3 x 0.822 4 day average objective = 2.5 x 30-day average objective

Table 3-2: 30-Day Average Objective for Ammonia-N for Freshwaters Applicable to Waters Subject to the “Early Life Stage Present” Condition (mg N/L)

$$= \left(\frac{0.0577}{1 + 10^{7.688-pH}} + \frac{2.487}{1 + 10^{pH-7.688}} \right) * \text{MIN}(2.85, 1.45 * 10^{0.028*(25-T)})$$

Where T= temperature expressed in °C.

Highest four-day average within the 30-day period shall not exceed 2.5 times the 30-day average objective as calculated above.

Table 3-3: 30-Day Average Objective for Ammonia-N for Freshwaters Applicable to Waters Subject to the “Early Life Stage Absent” Condition (mg N/L)

$$= \left(\frac{0.0577}{1 + 10^{7.688-pH}} + \frac{2.487}{1 + 10^{pH-7.688}} \right) * 1.45 * 10^{0.028*(25-\text{MAX}(T,7))}$$

Where T= temperature expressed in °C.

Highest four-day average within the 30-day period shall not exceed 2.5 times the 30-day average objective as calculated above.

Saltwater 4-day objective for Ammonia-N

$$= 0.035 * (1 + 10^{[(9.245 + 0.116 * \frac{19.9273 * S}{1000 - 1.005109 * S}) + 0.0324(298 - T) + \frac{(0.0415)P}{T} - pH]})$$

Where T= temperature expressed in °K (Note: Kelvin = Celsius + 273)

S = salinity (ppt)

P = pressure (assumed to be 1 atm)

PENTACHLOROPHENOL (CTR)

$$CMC = \exp(1.005(pH) - 4.869)$$

$$CCC = \exp(1.005(pH) - 5.134)$$

METALS (CTR)

[cadmium, chromium, copper, lead, nickel, silver, zinc]

$$CMC = WER * (Acute Conversion Factor) * (\exp\{m_A[\ln(hardness)] + b_A\})$$

$$CCC = WER * (Chronic Conversion Factor) * (\exp\{m_C[\ln(hardness)] + b_C\})$$

Note1: CCC formula contains error in CTR (says “Acute” not “Chronic” for Conversion Factor).

Note2: see note to Table 2 of Paragraph (b)(2) in the CTR, “The term conversion factor represents the recommended conversion factor for converting a metal criterion expressed as the total recoverable fraction in the water column to a criterion expressed as the dissolved fraction in the water column.”

Note3: Conversion factors (CF) are provided as values in a table for chromium, copper, nickel, silver, and zinc. CF for cadmium and lead are calculated based on hardness, i.e.

$$Cadmium Acute CF = 1.136672 - [(\ln\{hardness\}) (0.041838)]$$

$$Cadmium Chronic CF = 1.101672 - [(\ln\{hardness\}) (0.041838)]$$

$$Lead Acute and Chronic CF = 1.46203 - [(\ln\{hardness\}) (0.145712)]$$

Note4: Only two WER in Ventura County and no stations discharge within the applicable reaches - Lower Calleguas Creek (Reach 2 which is Portrero Rd south to Mugu Lagoon) has a WER for copper of 3.69 and Mugu Lagoon copper WER is 1.51.

Appendix @ G!YUli g!`7Uli fXA Y\cXg#9j Yblg

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	254	0	254	0	0	255
ASTM D7511	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 160.4	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 1664A	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 180.1	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 200.7	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 200.8	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 218.6	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 245.1	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 300.0	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 314.0	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 350.1	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 351.2	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 353.2	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 365.1	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 365.1	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 410.4	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 420.4	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 515.3	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 525.2	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 525.2m	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 547	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 608	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 624	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 625	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 8015B-G	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 8015B-C	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 8270Cm	X	Clock reset	X	Insufficient rain	Insufficient rain	X
Field Meter - YSI	X	Clock reset	X	Insufficient rain	Insufficient rain	X
Field Meter pH/temp	X	Clock reset	X	Insufficient rain	Insufficient rain	X
MMO-MUG (Colilert)	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 2320 B	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 2510 B	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 2540 C	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 2540 D	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 5210 B	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 5310 C	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 5540 C	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 9221 E	X	Clock reset	X	Insufficient rain	Insufficient rain	X
Enterolert	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 4500-Cl G	X	Clock reset	X	Insufficient rain	Insufficient rain	X

Event Status: ME-SCR

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	0	0	91 - 4.5L priority	4 - bacti only	246	252
ASTM D7511	No Flow	No Flow	X	Equipment	X	X
EPA 160.4	No Flow	No Flow	No	Equipment	X	X
EPA 1664A	No Flow	No Flow	X	Equipment	X	X
EPA 180.1	No Flow	No Flow	No	Equipment	X	X
EPA 200.7	No Flow	No Flow	X	Equipment	X	X
EPA 200.8	No Flow	No Flow	X	Equipment	X	X
EPA 218.6	No Flow	No Flow	X	Equipment	X	X
EPA 245.1	No Flow	No Flow	X	Equipment	X	X
EPA 300.0	No Flow	No Flow	X	Equipment	X	X
EPA 314.0	No Flow	No Flow	X	Equipment	X	X
EPA 350.1	No Flow	No Flow	X	Equipment	X	X
EPA 351.2	No Flow	No Flow	X	Equipment	X	X
EPA 353.2	No Flow	No Flow	X	Equipment	X	X
EPA 365.1	No Flow	No Flow	X	Equipment	X	X
EPA 365.1	No Flow	No Flow	X	Equipment	X	X
EPA 410.4	No Flow	No Flow	X	Equipment	X	X
EPA 420.4	No Flow	No Flow	No	Equipment	X	X
EPA 515.3	No Flow	No Flow	No	Equipment	X	X
EPA 525.2	No Flow	No Flow	X	Equipment	X	X
EPA 525.2m	No Flow	No Flow	No	Equipment	X	X
EPA 547	No Flow	No Flow	X	Equipment	X	X
EPA 608	No Flow	No Flow	No	Equipment	X	X
EPA 624	No Flow	No Flow	X	Equipment	X	X
EPA 625	No Flow	No Flow	No	Equipment	X	X
EPA 8015B-G	No Flow	No Flow	X	Equipment	X	X
EPA 8015B-C	No Flow	No Flow	X	Equipment	No DRO/ORO	X
EPA 8270Cm	No Flow	No Flow	No	Equipment	X	X
Field Meter - YSI	No Flow	No Flow	X	Equipment	X	X
Field Meter pH/temp	No Flow	No Flow	X	Equipment	X	X
MMO-MUG (Colilert)	No Flow	No Flow	X	X	Lab lost sample	X
SM 2320 B	No Flow	No Flow	No	Equipment	X	X
SM 2510 B	No Flow	No Flow	No	Equipment	X	X
SM 2540 C	No Flow	No Flow	X	Equipment	X	X
SM 2540 D	No Flow	No Flow	X	Equipment	X	X
SM 5210 B	No Flow	No Flow	No	Equipment	X	X
SM 5310 C	No Flow	No Flow	X	Equipment	X	X
SM 5540 C	No Flow	No Flow	X	Equipment	X	X
SM 9221 E	No Flow	No Flow	X	X	Lab lost sample	X
Enterolert	No Flow	No Flow	X	X	Lab lost sample	X
SM 4500-CI G	NA	NA	NA	NA	NA	NA

Event Status: ME-VR2

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	253	126 - 9L	252	16 - equip brk	246	252
ASTM D7511	X	X	X	X	X	X
EPA 160.4	X	No	X	No	X	X
EPA 1664A	X	X	X	X	X	X
EPA 180.1	X	No	X	No	X	X
EPA 200.7	X	X	X	No	X	X
EPA 200.8	X	X	X	No	X	X
EPA 218.6	X	X	X	No	X	X
EPA 245.1	X	X	X	No	X	X
EPA 300.0	X	X	X	No	X	X
EPA 314.0	X	X	X	No	X	X
EPA 350.1	X	X	X	No	X	X
EPA 351.2	X	X	X	No	X	X
EPA 353.2	X	X	X	No	X	X
EPA 365.1	X	X	X	No	X	X
EPA 365.1	X	X	X	No	X	X
EPA 410.4	X	X	X	No	X	X
EPA 420.4	X	No	X	No	X	X
EPA 515.3	X	X	X	No	X	X
EPA 525.2	X	X	X	No	X	X
EPA 525.2m	X	X	X	No	X	X
EPA 547	X	No	X	No	X	X
EPA 608	X	No	X	No	X	X
EPA 624	X	X	X	X	X	X
EPA 625	X	No	X	No	X	X
EPA 8015B-G	X	X	X	X	X	X
EPA 8015B-C	X	X	X	No	No DRO/ORO	X
EPA 8270Cm	X	No	X	No	X	X
Field Meter - YSI	X	X	X	X	X	X
Field Meter pH/temp	X	X	X	X	X	X
MMO-MUG (Colilert)	X	X	X	X	Lab lost sample	X
SM 2320 B	X	No	X	No	X	X
SM 2510 B	X	No	X	No	X	X
SM 2540 C	X	X	X	No	X	X
SM 2540 D	X	No	X	No	X	X
SM 5210 B	X	No	X	No	X	X
SM 5310 C	X	No	X	No	X	X
SM 5540 C	X	X	X	No	X	X
SM 9221 E	X	X	X	X	Lab lost sample	X
Enterolert	X	X	X	X	Lab lost sample	X
SM 4500-CI G	X	NA	NA	NA	NA	NA

Event Status: MO-CAM

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	251	0	251	0	234	251
ASTM D7511	X	Clock reset	X	Insufficient rain	No grabs	X
EPA 160.4	X	Clock reset	X	Insufficient rain	X	X
EPA 1664A	X	Clock reset	X	Insufficient rain	No grabs	X
EPA 180.1	X	Clock reset	X	Insufficient rain	X	X
EPA 200.7	X	Clock reset	X	Insufficient rain	X	X
EPA 200.8	X	Clock reset	X	Insufficient rain	X	X
EPA 218.6	X	Clock reset	X	Insufficient rain	X	X
EPA 245.1	X	Clock reset	X	Insufficient rain	X	X
EPA 300.0	X	Clock reset	X	Insufficient rain	X	X
EPA 314.0	X	Clock reset	X	Insufficient rain	X	X
EPA 350.1	X	Clock reset	X	Insufficient rain	X	X
EPA 351.2	X	Clock reset	X	Insufficient rain	X	X
EPA 353.2	X	Clock reset	X	Insufficient rain	X	X
EPA 365.1	X	Clock reset	X	Insufficient rain	X	X
EPA 365.1	X	Clock reset	X	Insufficient rain	X	X
EPA 410.4	X	Clock reset	X	Insufficient rain	X	X
EPA 420.4	X	Clock reset	X	Insufficient rain	X	X
EPA 515.3	X	Clock reset	X	Insufficient rain	X	X
EPA 525.2	X	Clock reset	X	Insufficient rain	X	X
EPA 525.2m	X	Clock reset	X	Insufficient rain	X	X
EPA 547	X	Clock reset	X	Insufficient rain	X	X
EPA 608	X	Clock reset	X	Insufficient rain	X	X
EPA 624	X	Clock reset	X	Insufficient rain	No grabs	X
EPA 625	X	Clock reset	X	Insufficient rain	X	X
EPA 8015B-G	X	Clock reset	X	Insufficient rain	No grabs	X
EPA 8015B-C	X	Clock reset	X	Insufficient rain	X	X
EPA 8270Cm	X	Clock reset	X	Insufficient rain	X	X
Field Meter - YSI	X	Clock reset	X	Insufficient rain	No grabs	X
Field Meter pH/temp	X	Clock reset	X	Insufficient rain	No grabs	X
MMO-MUG (Colilert)	X	Clock reset	X	Insufficient rain	No grabs	X
SM 2320 B	X	Clock reset	X	Insufficient rain	X	X
SM 2510 B	X	Clock reset	X	Insufficient rain	X	X
SM 2540 C	X	Clock reset	X	Insufficient rain	X	X
SM 2540 D	X	Clock reset	X	Insufficient rain	X	X
SM 5210 B	X	Clock reset	X	Insufficient rain	X	X
SM 5310 C	X	Clock reset	X	Insufficient rain	X	X
SM 5540 C	X	Clock reset	X	Insufficient rain	X	X
SM 9221 E	X	Clock reset	X	Insufficient rain	No grabs	X
SM 4500-CI G	NA	NA	NA	NA	NA	NA
Enterolert	NA	NA	NA	NA	NA	NA

Event Status: MO-FIL

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	246	251	251	0	234	251
ASTM D7511	X	X	X	Insufficient rain	No grabs	X
EPA 160.4	X	X	X	Insufficient rain	X	X
EPA 1664A	X	X	X	Insufficient rain	No grabs	X
EPA 180.1	X	X	X	Insufficient rain	X	X
EPA 200.7	X	X	X	Insufficient rain	X	X
EPA 200.8	X	X	X	Insufficient rain	X	X
EPA 218.6	X	X	X	Insufficient rain	X	X
EPA 245.1	X	X	X	Insufficient rain	X	X
EPA 300.0	X	X	X	Insufficient rain	X	X
EPA 314.0	X	X	X	Insufficient rain	X	X
EPA 350.1	X	X	X	Insufficient rain	X	X
EPA 351.2	X	X	X	Insufficient rain	X	X
EPA 353.2	X	X	X	Insufficient rain	X	X
EPA 365.1	X	X	X	Insufficient rain	X	X
EPA 365.1	X	X	X	Insufficient rain	X	X
EPA 410.4	X	X	X	Insufficient rain	X	X
EPA 420.4	X	X	X	Insufficient rain	X	X
EPA 515.3	X	X	X	Insufficient rain	X	X
EPA 525.2	X	X	X	Insufficient rain	X	X
EPA 525.2m	X	X	X	Insufficient rain	X	X
EPA 547	X	X	X	Insufficient rain	X	X
EPA 608	X	X	X	Insufficient rain	X	X
EPA 624	X	X	X	Insufficient rain	No grabs	X
EPA 625	X	X	X	Insufficient rain	X	X
EPA 8015B-G	X	X	X	Insufficient rain	No grabs	X
EPA 8015B-C	X	X	X	Insufficient rain	X	X
EPA 8270Cm	X	X	X	Insufficient rain	X	X
Field Meter - YSI	No	X	X	Insufficient rain	No grabs	X
Field Meter pH/temp	X	X	X	Insufficient rain	No grabs	X
MMO-MUG (Colilert)	X	X	X	Insufficient rain	No grabs	X
SM 2320 B	X	X	X	Insufficient rain	X	X
SM 2510 B	X	X	X	Insufficient rain	X	X
SM 2540 C	X	X	X	Insufficient rain	X	X
SM 2540 D	X	X	X	Insufficient rain	X	X
SM 5210 B	X	X	X	Insufficient rain	X	X
SM 5310 C	X	X	X	Insufficient rain	X	X
SM 5540 C	X	X	X	Insufficient rain	X	X
SM 9221 E	X	X	X	Insufficient rain	No grabs	X
SM 4500-CI G	NA	NA	NA	NA	NA	NA
Enterolert	NA	NA	NA	NA	NA	NA

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	251	0	251	0	0	251
ASTM D7511	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 160.4	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 1664A	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 180.1	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 200.7	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 200.8	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 218.6	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 245.1	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 300.0	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 314.0	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 350.1	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 351.2	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 353.2	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 365.1	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 365.1	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 410.4	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 420.4	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 515.3	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 525.2	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 525.2m	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 547	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 608	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 624	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 625	X	Clock reset	X	Insufficient rain	Insufficien+F26t rair	X
EPA 8015B-G	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 8015B-C	X	Clock reset	X	Insufficient rain	Insufficient rain	X
EPA 8270Cm	X	Clock reset	X	Insufficient rain	Insufficient rain	X
Field Meter - YSI	X	Clock reset	X	Insufficient rain	Insufficient rain	X
Field Meter pH/temp	X	Clock reset	X	Insufficient rain	Insufficient rain	X
MMO-MUG (Colilert)	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 2320 B	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 2510 B	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 2540 C	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 2540 D	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 5210 B	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 5310 C	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 5540 C	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 9221 E	X	Clock reset	X	Insufficient rain	Insufficient rain	X
SM 4500-CI G	NA	NA	NA	NA	NA	NA
Enterolert	NA	NA	NA	NA	NA	NA

Event Status: MO-MEI

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	251	126 - 8L	251	251	0	0
ASTM D7511	X	X	X	X	Insufficient rain	No flow
EPA 160.4	X	No	X	X	Insufficient rain	No flow
EPA 1664A	X	X	X	X	Insufficient rain	No flow
EPA 180.1	X	No	X	X	Insufficient rain	No flow
EPA 200.7	X	X	X	X	Insufficient rain	No flow
EPA 200.8	X	X	X	X	Insufficient rain	No flow
EPA 218.6	X	X	X	X	Insufficient rain	No flow
EPA 245.1	X	X	X	X	Insufficient rain	No flow
EPA 300.0	X	X	X	X	Insufficient rain	No flow
EPA 314.0	X	X	X	X	Insufficient rain	No flow
EPA 350.1	X	X	X	X	Insufficient rain	No flow
EPA 351.2	X	X	X	X	Insufficient rain	No flow
EPA 353.2	X	X	X	X	Insufficient rain	No flow
EPA 365.1	X	X	X	X	Insufficient rain	No flow
EPA 365.1	X	X	X	X	Insufficient rain	No flow
EPA 410.4	X	X	X	X	Insufficient rain	No flow
EPA 420.4	X	No	X	X	Insufficient rain	No flow
EPA 515.3	X	X	X	X	Insufficient rain	No flow
EPA 525.2	X	X	X	X	Insufficient rain	No flow
EPA 525.2m	X	X	X	X	Insufficient rain	No flow
EPA 547	X	No	X	X	Insufficient rain	No flow
EPA 608	X	No	X	X	Insufficient rain	No flow
EPA 624	X	X	X	X	Insufficient rain	No flow
EPA 625	X	No	X	X	Insufficient rain	No flow
EPA 8015B-G	X	X	X	X	Insufficient rain	No flow
EPA 8015B-C	X	X	X	X	Insufficient rain	No flow
EPA 8270Cm	X	No	X	X	Insufficient rain	No flow
Field Meter - YSI	X	X	X	X	Insufficient rain	No flow
Field Meter pH/temp	X	X	X	X	Insufficient rain	No flow
MMO-MUG (Colilert)	X	X	X	X	Insufficient rain	No flow
SM 2320 B	X	No	X	X	Insufficient rain	No flow
SM 2510 B	X	No	X	X	Insufficient rain	No flow
SM 2540 C	X	X	X	X	Insufficient rain	No flow
SM 2540 D	X	X	X	X	Insufficient rain	No flow
SM 5210 B	X	No	X	X	Insufficient rain	No flow
SM 5310 C	X	No	X	X	Insufficient rain	No flow
SM 5540 C	X	X	X	X	Insufficient rain	No flow
SM 9221 E	X	X	X	X	Insufficient rain	No flow
SM 4500-CI G	NA	NA	NA	NA	NA	NA
Enterolert	NA	NA	NA	NA	NA	NA

Event Status: MO-MPK

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	246	0	251	0	45 - 5L	0
ASTM D7511	X	Clock reset	X	Insufficient rain	No grabs	No flow
EPA 160.4	X	Clock reset	X	Insufficient rain	No	No flow
EPA 1664A	X	Clock reset	X	Insufficient rain	No grabs	No flow
EPA 180.1	X	Clock reset	X	Insufficient rain	No	No flow
EPA 200.7	X	Clock reset	X	Insufficient rain	X	No flow
EPA 200.8	X	Clock reset	X	Insufficient rain	X	No flow
EPA 218.6	X	Clock reset	X	Insufficient rain	X	No flow
EPA 245.1	X	Clock reset	X	Insufficient rain	X	No flow
EPA 300.0	X	Clock reset	X	Insufficient rain	X	No flow
EPA 314.0	X	Clock reset	X	Insufficient rain	X	No flow
EPA 350.1	X	Clock reset	X	Insufficient rain	X	No flow
EPA 351.2	X	Clock reset	X	Insufficient rain	X	No flow
EPA 353.2	X	Clock reset	X	Insufficient rain	X	No flow
EPA 365.1	X	Clock reset	X	Insufficient rain	N	No flow
EPA 365.1	X	Clock reset	X	Insufficient rain	N	No flow
EPA 410.4	X	Clock reset	X	Insufficient rain	X	No flow
EPA 420.4	X	Clock reset	X	Insufficient rain	N	No flow
EPA 515.3	X	Clock reset	X	Insufficient rain	N	No flow
EPA 525.2	X	Clock reset	X	Insufficient rain	N	No flow
EPA 525.2m	X	Clock reset	X	Insufficient rain	N	No flow
EPA 547	X	Clock reset	X	Insufficient rain	N	No flow
EPA 608	X	Clock reset	X	Insufficient rain	N	No flow
EPA 624	X	Clock reset	X	Insufficient rain	No grabs	No flow
EPA 625	X	Clock reset	X	Insufficient rain	N	No flow
EPA 8015B-G	X	Clock reset	X	Insufficient rain	No grabs	No flow
EPA 8015B-C	X	Clock reset	X	Insufficient rain	N	No flow
EPA 8270Cm	X	Clock reset	X	Insufficient rain	N	No flow
Field Meter - YSI	No	Clock reset	X	Insufficient rain	No grabs	No flow
Field Meter pH/temp	X	Clock reset	X	Insufficient rain	No grabs	No flow
MMO-MUG (Colilert)	X	Clock reset	X	Insufficient rain	No grabs	No flow
SM 2320 B	X	Clock reset	X	Insufficient rain	N	No flow
SM 2510 B	X	Clock reset	X	Insufficient rain	N	No flow
SM 2540 C	X	Clock reset	X	Insufficient rain	X	No flow
SM 2540 D	X	Clock reset	X	Insufficient rain	N	No flow
SM 5210 B	X	Clock reset	X	Insufficient rain	X	No flow
SM 5310 C	X	Clock reset	X	Insufficient rain	N	No flow
SM 5540 C	X	Clock reset	X	Insufficient rain	X	No flow
SM 9221 E	X	Clock reset	X	Insufficient rain	No grabs	No flow
SM 4500-CI G	NA	NA	NA	NA	NA	NA
Enterolert	NA	NA	NA	NA	NA	NA

Event Status: MO-OJA

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	251	110 - 6.5L	251	251	0	69 - 4L
ASTM D7511	X	X	X	X	Insufficient rain	No grabs
EPA 160.4	X	No	X	X	Insufficient rain	X
EPA 1664A	X	X	X	X	Insufficient rain	No grabs
EPA 180.1	X	No	X	X	Insufficient rain	X
EPA 200.7	X	X	X	X	Insufficient rain	X
EPA 200.8	X	X	X	X	Insufficient rain	X
EPA 218.6	X	X	X	X	Insufficient rain	X
EPA 245.1	X	X	X	X	Insufficient rain	X
EPA 300.0	X	X	X	X	Insufficient rain	X
EPA 314.0	X	X	X	X	Insufficient rain	X
EPA 350.1	X	X	X	X	Insufficient rain	X
EPA 351.2	X	X	X	X	Insufficient rain	X
EPA 353.2	X	X	X	X	Insufficient rain	X
EPA 365.1	X	X	X	X	Insufficient rain	X
EPA 365.1	X	X	X	X	Insufficient rain	X
EPA 410.4	X	X	X	X	Insufficient rain	X
EPA 420.4	X	No	X	X	Insufficient rain	X
EPA 515.3	X	No	X	X	Insufficient rain	X
EPA 525.2	X	X	X	X	Insufficient rain	No
EPA 525.2m	X	X	X	X	Insufficient rain	No
EPA 547	X	No	X	X	Insufficient rain	X
EPA 608	X	No	X	X	Insufficient rain	No
EPA 624	X	X	X	X	Insufficient rain	No grabs
EPA 625	X	No	X	X	Insufficient rain	No
EPA 8015B-G	X	X	X	X	Insufficient rain	No grabs
EPA 8015B-C	X	No	X	X	Insufficient rain	No
EPA 8270Cm	X	No	X	X	Insufficient rain	No
Field Meter - YSI	X	X	X	X	Insufficient rain	No grabs
Field Meter pH/temp	X	X	X	X	Insufficient rain	No grabs
MMO-MUG (Colilert)	X	X	X	X	Insufficient rain	No grabs
SM 2320 B	X	No	X	X	Insufficient rain	X
SM 2510 B	X	No	X	X	Insufficient rain	X
SM 2540 C	X	X	X	X	Insufficient rain	X
SM 2540 D	X	X	X	X	Insufficient rain	X
SM 5210 B	X	No	X	X	Insufficient rain	No
SM 5310 C	X	No	X	X	Insufficient rain	No
SM 5540 C	X	X	X	X	Insufficient rain	No
SM 9221 E	X	X	X	X	Insufficient rain	No grabs
SM 4500-CI G	NA	NA	NA	NA	NA	NA
Enterolert	NA	NA	NA	NA	NA	NA

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	251	95 - 10L	251	0	0	0
ASTM D7511	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 160.4	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 1664A	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 180.1	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 200.7	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 200.8	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 218.6	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 245.1	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 300.0	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 314.0	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 350.1	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 351.2	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 353.2	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 365.1	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 365.1	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 410.4	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 420.4	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 515.3	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 525.2	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 525.2m	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 547	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 608	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 624	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 625	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 8015B-G	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 8015B-C	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 8270Cm	X	No	X	Insufficient rain	Insufficient rain	No flow
Field Meter - YSI	X	X	X	Insufficient rain	Insufficient rain	No flow
Field Meter pH/temp	X	X	X	Insufficient rain	Insufficient rain	No flow
MMO-MUG (Colilert)	X	X	X	Insufficient rain	Insufficient rain	No flow
SM 2320 B	X	No	X	Insufficient rain	Insufficient rain	No flow
SM 2510 B	X	No	X	Insufficient rain	Insufficient rain	No flow
SM 2540 C	X	X	X	Insufficient rain	Insufficient rain	No flow
SM 2540 D	X	No	X	Insufficient rain	Insufficient rain	No flow
SM 5210 B	X	No	X	Insufficient rain	Insufficient rain	No flow
SM 5310 C	X	No	X	Insufficient rain	Insufficient rain	No flow
SM 5540 C	X	X	X	Insufficient rain	Insufficient rain	No flow
SM 9221 E	X	X	X	Insufficient rain	Insufficient rain	No flow
SM 4500-CI G	NA	NA	NA	NA	NA	NA
Enterolert	NA	NA	NA	NA	NA	NA

Event Status: MO-SIM

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	246	0	251	0	234	251
ASTM D7511	X	Clock reset	X	Insufficient rain	No grabs	X
EPA 160.4	X	Clock reset	X	Insufficient rain	X	X
EPA 1664A	X	Clock reset	X	Insufficient rain	No grabs	X
EPA 180.1	X	Clock reset	X	Insufficient rain	X	X
EPA 200.7	X	Clock reset	X	Insufficient rain	X	X
EPA 200.8	X	Clock reset	X	Insufficient rain	X	X
EPA 218.6	X	Clock reset	X	Insufficient rain	X	X
EPA 245.1	X	Clock reset	X	Insufficient rain	X	X
EPA 300.0	X	Clock reset	X	Insufficient rain	X	X
EPA 314.0	X	Clock reset	X	Insufficient rain	X	X
EPA 350.1	X	Clock reset	X	Insufficient rain	X	X
EPA 351.2	X	Clock reset	X	Insufficient rain	X	X
EPA 353.2	X	Clock reset	X	Insufficient rain	X	X
EPA 365.1	X	Clock reset	X	Insufficient rain	X	X
EPA 365.1	X	Clock reset	X	Insufficient rain	X	X
EPA 410.4	X	Clock reset	X	Insufficient rain	X	X
EPA 420.4	X	Clock reset	X	Insufficient rain	X	X
EPA 515.3	X	Clock reset	X	Insufficient rain	X	X
EPA 525.2	X	Clock reset	X	Insufficient rain	X	X
EPA 525.2m	X	Clock reset	X	Insufficient rain	X	X
EPA 547	X	Clock reset	X	Insufficient rain	X	X
EPA 608	X	Clock reset	X	Insufficient rain	X	X
EPA 624	X	Clock reset	X	Insufficient rain	No grabs	X
EPA 625	X	Clock reset	X	Insufficient rain	X	X
EPA 8015B-G	X	Clock reset	X	Insufficient rain	No grabs	X
EPA 8015B-C	X	Clock reset	X	Insufficient rain	No	X
EPA 8270Cm	X	Clock reset	X	Insufficient rain	X	X
Field Meter - YSI	No	Clock reset	X	Insufficient rain	No grabs	X
Field Meter pH/temp	X	Clock reset	X	Insufficient rain	No grabs	X
MMO-MUG (Colilert)	X	Clock reset	X	Insufficient rain	No grabs	X
SM 2320 B	X	Clock reset	X	Insufficient rain	X	X
SM 2510 B	X	Clock reset	X	Insufficient rain	X	X
SM 2540 C	X	Clock reset	X	Insufficient rain	X	X
SM 2540 D	X	Clock reset	X	Insufficient rain	X	X
SM 5210 B	X	Clock reset	X	Insufficient rain	X	X
SM 5310 C	X	Clock reset	X	Insufficient rain	X	X
SM 5540 C	X	Clock reset	X	Insufficient rain	X	X
SM 9221 E	X	Clock reset	X	Insufficient rain	No grabs	X
SM 4500-CI G	NA	NA	NA	NA	NA	NA
Enterolert	NA	NA	NA	NA	NA	NA

Event Status: MO-SPA

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	236	129 - 9L	251	0	234	0
ASTM D7511	No grabs	X	X	Insufficient rain	No grabs	No flow
EPA 160.4	X	X	X	Insufficient rain	X	No flow
EPA 1664A	No grabs	X	X	Insufficient rain	No grabs	No flow
EPA 180.1	X	X	X	Insufficient rain	X	No flow
EPA 200.7	X	X	X	Insufficient rain	X	No flow
EPA 200.8	X	X	X	Insufficient rain	X	No flow
EPA 218.6	X	X	X	Insufficient rain	X	No flow
EPA 245.1	X	X	X	Insufficient rain	X	No flow
EPA 300.0	X	X	X	Insufficient rain	X	No flow
EPA 314.0	X	X	X	Insufficient rain	X	No flow
EPA 350.1	X	X	X	Insufficient rain	X	No flow
EPA 351.2	X	X	X	Insufficient rain	X	No flow
EPA 353.2	X	X	X	Insufficient rain	X	No flow
EPA 365.1	X	X	X	Insufficient rain	X	No flow
EPA 365.1	X	X	X	Insufficient rain	X	No flow
EPA 410.4	X	X	X	Insufficient rain	X	No flow
EPA 420.4	X	X	X	Insufficient rain	X	No flow
EPA 515.3	X	X	X	Insufficient rain	X	No flow
EPA 525.2	X	X	X	Insufficient rain	X	No flow
EPA 525.2m	X	X	X	Insufficient rain	X	No flow
EPA 547	X	No	X	Insufficient rain	X	No flow
EPA 608	X	No	X	Insufficient rain	X	No flow
EPA 624	No grabs	X	X	Insufficient rain	No grabs	No flow
EPA 625	X	No	X	Insufficient rain	X	No flow
EPA 8015B-G	No grabs	X	X	Insufficient rain	No grabs	No flow
EPA 8015B-C	X	X	X	Insufficient rain		No flow
EPA 8270Cm	X	No	X	Insufficient rain	X	No flow
Field Meter - YSI	No grabs	X	X	Insufficient rain	No grabs	No flow
Field Meter pH/temp	No grabs	X	X	Insufficient rain	No grabs	No flow
MMO-MUG (Colilert)	No grabs	X	X	Insufficient rain	No grabs	No flow
SM 2320 B	X	No	X	Insufficient rain	X	No flow
SM 2510 B	X	No	X	Insufficient rain	X	No flow
SM 2540 C	X	X	X	Insufficient rain	X	No flow
SM 2540 D	X	X	X	Insufficient rain	X	No flow
SM 5210 B	X	No	X	Insufficient rain	X	No flow
SM 5310 C	X	X	X	Insufficient rain	X	No flow
SM 5540 C	X	X	X	Insufficient rain	X	No flow
SM 9221 E	No grabs	X	X	Insufficient rain	No grabs	No flow
SM 4500-CI G	NA	NA	NA	NA	NA	NA
Enterolert	NA	NA	NA	NA	NA	NA

Event Status: MO-THO

<u>Method</u>	Event 1	Event 2	Event 3	Event 4	Event 5	Event 3
<u>No. Analytes</u>	246	0	251	0	234	251
ASTM D7511	X	Clock reset	X	Insufficient rain	No grabs	X
EPA 160.4	X	Clock reset	X	Insufficient rain	X	X
EPA 1664A	X	Clock reset	X	Insufficient rain	No grabs	X
EPA 180.1	X	Clock reset	X	Insufficient rain	X	X
EPA 200.7	X	Clock reset	X	Insufficient rain	X	X
EPA 200.8	X	Clock reset	X	Insufficient rain	X	X
EPA 218.6	X	Clock reset	X	Insufficient rain	X	X
EPA 245.1	X	Clock reset	X	Insufficient rain	X	X
EPA 300.0	X	Clock reset	X	Insufficient rain	X	X
EPA 314.0	X	Clock reset	X	Insufficient rain	X	X
EPA 350.1	X	Clock reset	X	Insufficient rain	X	X
EPA 351.2	X	Clock reset	X	Insufficient rain	X	X
EPA 353.2	X	Clock reset	X	Insufficient rain	X	X
EPA 365.1	X	Clock reset	X	Insufficient rain	X	X
EPA 365.1	X	Clock reset	X	Insufficient rain	X	X
EPA 410.4	X	Clock reset	X	Insufficient rain	X	X
EPA 420.4	X	Clock reset	X	Insufficient rain	X	X
EPA 515.3	X	Clock reset	X	Insufficient rain	X	X
EPA 525.2	X	Clock reset	X	Insufficient rain	X	X
EPA 525.2m	X	Clock reset	X	Insufficient rain	X	X
EPA 547	X	Clock reset	X	Insufficient rain	X	X
EPA 608	X	Clock reset	X	Insufficient rain	X	X
EPA 624	X	Clock reset	X	Insufficient rain	No grabs	X
EPA 625	X	Clock reset	X	Insufficient rain	X	X
EPA 8015B-G	X	Clock reset	X	Insufficient rain	No grabs	X
EPA 8015B-C	X	Clock reset	X	Insufficient rain		X
EPA 8270Cm	X	Clock reset	X	Insufficient rain	X	X
Field Meter - YSI	No	Clock reset	X	Insufficient rain	No grabs	X
Field Meter pH/temp	X	Clock reset	X	Insufficient rain	No grabs	X
MMO-MUG (Colilert)	X	Clock reset	X	Insufficient rain	No grabs	X
SM 2320 B	X	Clock reset	X	Insufficient rain	X	X
SM 2510 B	X	Clock reset	X	Insufficient rain	X	X
SM 2540 C	X	Clock reset	X	Insufficient rain	X	X
SM 2540 D	X	Clock reset	X	Insufficient rain	X	X
SM 5210 B	X	Clock reset	X	Insufficient rain	X	X
SM 5310 C	X	Clock reset	X	Insufficient rain	X	X
SM 5540 C	X	Clock reset	X	Insufficient rain	X	X
SM 9221 E	X	Clock reset	X	Insufficient rain	No grabs	X
SM 4500-CI G	NA	NA	NA	NA	NA	NA
Enterolert	NA	NA	NA	NA	NA	NA

Method	Event 1	Event 2	Event 3	Event 4	Event 5	Event 6
No. Analytes	251	125 - 7L	251	0	0	0
ASTM D7511	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 160.4	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 1664A	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 180.1	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 200.7	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 200.8	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 218.6	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 245.1	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 300.0	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 314.0	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 350.1	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 351.2	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 353.2	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 365.1	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 365.1	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 410.4	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 420.4	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 515.3	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 525.2	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 525.2m	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 547	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 608	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 624	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 625	X	No	X	Insufficient rain	Insufficient rain	No flow
EPA 8015B-G	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 8015B-C	X	X	X	Insufficient rain	Insufficient rain	No flow
EPA 8270Cm	X	No	X	Insufficient rain	Insufficient rain	No flow
Field Meter - YSI	X	X	X	Insufficient rain	Insufficient rain	No flow
Field Meter pH/temp	X	X	X	Insufficient rain	Insufficient rain	No flow
MMO-MUG (Colilert)	X	X	X	Insufficient rain	Insufficient rain	No flow
SM 2320 B	X	No	X	Insufficient rain	Insufficient rain	No flow
SM 2510 B	X	No	X	Insufficient rain	Insufficient rain	No flow
SM 2540 C	X	X	X	Insufficient rain	Insufficient rain	No flow
SM 2540 D	X	X	X	Insufficient rain	Insufficient rain	No flow
SM 5210 B	X	No	X	Insufficient rain	Insufficient rain	No flow
SM 5310 C	X	No	X	Insufficient rain	Insufficient rain	No flow
SM 5540 C	X	X	X	Insufficient rain	Insufficient rain	No flow
SM 9221 E	X	X	X	Insufficient rain	Insufficient rain	No flow
SM 4500-CI G	NA	NA	NA	NA	NA	NA
Enterolert	NA	NA	NA	NA	NA	NA

Appendix M: Pyrethroid Insecticides Study 2015 Final Report



Ventura Countywide Stormwater Quality Management Program

PYRETHROID INSECTICIDES STUDY

2015 FINAL REPORT

PREPARED BY THE:

VENTURA COUNTY WATERSHED PROTECTION DISTRICT

SUBMITTED ON BEHALF OF:

VENTURA COUNTY WATERSHED PROTECTION DISTRICT

COUNTY OF VENTURA

CITY OF CAMARILLO

CITY OF FILLMORE

CITY OF MOORPARK

CITY OF OJAI

CITY OF OXNARD

CITY OF PORT HUENEME

CITY OF SANTA PAULA

CITY OF SIMI VALLEY

CITY OF THOUSAND OAKS

CITY OF VENTURA

December 15, 2015

EXECUTIVE SUMMARY

Pyrethroid insecticide monitoring of sediments is required by Monitoring Program No. CI 7388, as part of the Ventura County Municipal Separate Storm Sewer System National Pollutant Discharge Elimination System Permit, Order No. R4-2010-0108 (Permit). A first round of pyrethroid sediment monitoring was performed in 2012 and repeated in 2015.

For 2015, the District elected to add Calleguas Creek Watershed sites to the Study to increase comparability and avoid issues with different detection levels, sampling strategies, and reporting cycles. The second round of the Study was conducted in April 2015 by the District at two sites each in the Ventura River, Santa Clara River, and Calleguas Creek watersheds. Of the eight Permit-required pyrethroid pesticides, two were detected: bifenthrin (three sites) and permethrin (one site). One non-required pyrethroid (fenpropathrin at one site) and two non-pyrethroid pesticides (dichloran at one site and pendimethalin at three sites) were also detected. Hypothetical toxicity units (TU) based on *H. azteca* LC50s (as for 2012) were also calculated for pyrethroids detected in 2015 samples. All samples had hypothetical TUs below one with the exception of bifenthrin in only the CC Down duplicate, however there was not significant toxicity in the measured sample. Hypothetical TU could not be calculated for detected analytes without LC50s (the non-pyrethroids - pendimethalin and dichloran) and so their hypothetical contribution to toxicity is unknown. Similarly, if a pyrethroid is not detected, there is the possibility that it is present in concentrations below the method detection limit and so its contribution to sample toxicity is unknown. Pollutants other than those detected may also be contributing to toxicity, however this study was focused on pyrethroid pollutants.

All samples were subjected to a 10-day survival sediment bioassay using *Hyalella azteca*. Some toxicity was observed in 2015 at VR Down and SCR Up. None of the Permit required pyrethroids were detected at SCR up. Bifenthrin was detected in VR Down, however other sites with higher concentrations exhibited no toxicity, and the calculated hypothetical toxicity for VR Down based on the bifenthrin concentration was not toxic. No significant toxicity was observed in the 2012 study samples.

Due to the increased detection of pyrethroids and the presence of significant toxicity in some of the samples that may or may not be attributable to urban contributions of pyrethroids, the recommendation to mitigate urban contributions of pyrethroids in the three sampled watersheds is to target pesticide use in the Ventura Countywide Stormwater Management Program's (Program) upcoming education and outreach campaign.

INTRODUCTION

Pyrethroid insecticide monitoring of sediments is required by Monitoring Program No. CI 7388, as part of the Ventura County Municipal Separate Storm Sewer System National Pollutant Discharge Elimination System Permit, Order No. R4-2010-0108 (Permit). The Permit specifies that the Principal Permittee (Ventura County Watershed Protection District (District)) shall perform a pyrethroid insecticides study to accomplish the following objectives:

- i. Establish baseline data for major watersheds;
- ii. Evaluate whether pyrethroid insecticide concentrations are at or approaching levels known to be toxic to sediment-dwelling aquatic organisms;
- iii. Determine if pyrethroids discovered are from urban sources; and
- iv. Assess any trends over the permit term.

The first round of sediment monitoring for the Pyrethroid Insecticides Study (Study) was conducted in April 2012 by the Ventura County Watershed Protection District (District) at two locations in both the Ventura River and Santa Clara River watersheds. Data from the Calleguas Creek Watershed (CCW) Toxicity Total Maximum Daily Load (TMDL) monitoring program was used to meet the requirements for that watershed, as allowed by the Permit. The 2012 TMDL data were unavailable in time for the 2012 report, so 2008-2010 data were included in that report and the 2011 and 2012 data are included in this report.

In 2012, two pyrethroids were detected in the Study samples: bifenthrin (three sites) and permethrin (one site); and one pyrethroid (bifenthrin) was detected in the TMDL samples (two sites). No pyrethroids were detected in the 2011 TMDL samples. Hypothetical toxicity units were calculated based on the concentration of the pyrethroid (normalized for total organic carbon) and the known *Hyaella azteca* LC50, if available. All hypothetical toxicity units were less than one indicating the samples were non-toxic. This was supported by the lack of toxicity seen in the analysis of the sediment samples, with the exception of the two TMDL sites, which had significant toxicity. Two non-pyrethroid pesticides were also detected in the Study samples: pendimethalin (two sites) and dichloran (one site) but were not tested in the TMDL.

This study was repeated in 2015 with the addition of the Calleguas Creek Watershed to increase comparability and avoid issues with different detection levels, sampling strategies, and reporting cycles. The second round of the Study was conducted in April 2015 by the District at two sites each in the Ventura River, Santa Clara River, and Calleguas Creek watersheds.

METHOD

In-stream sediment samples for chemical analysis and toxicity testing were collected using stainless steel scoops according to methods developed by the USGS and outlined in *Guidelines for Collecting and Processing Samples of Stream Bed Sediment for Analysis of Trace Elements and Organic Contaminants for the National Water Quality Assessment Program (1994)*. When possible, sediment sampling stations encompassed a section of the reach approximately 100 meters in length upstream from water-column sampling stations but this varied depending on site conditions. Five to ten wadeable depositional zones (low energy areas where fine-grained particles can accumulate) within the reach were targeted to obtain a sample representative of the site.

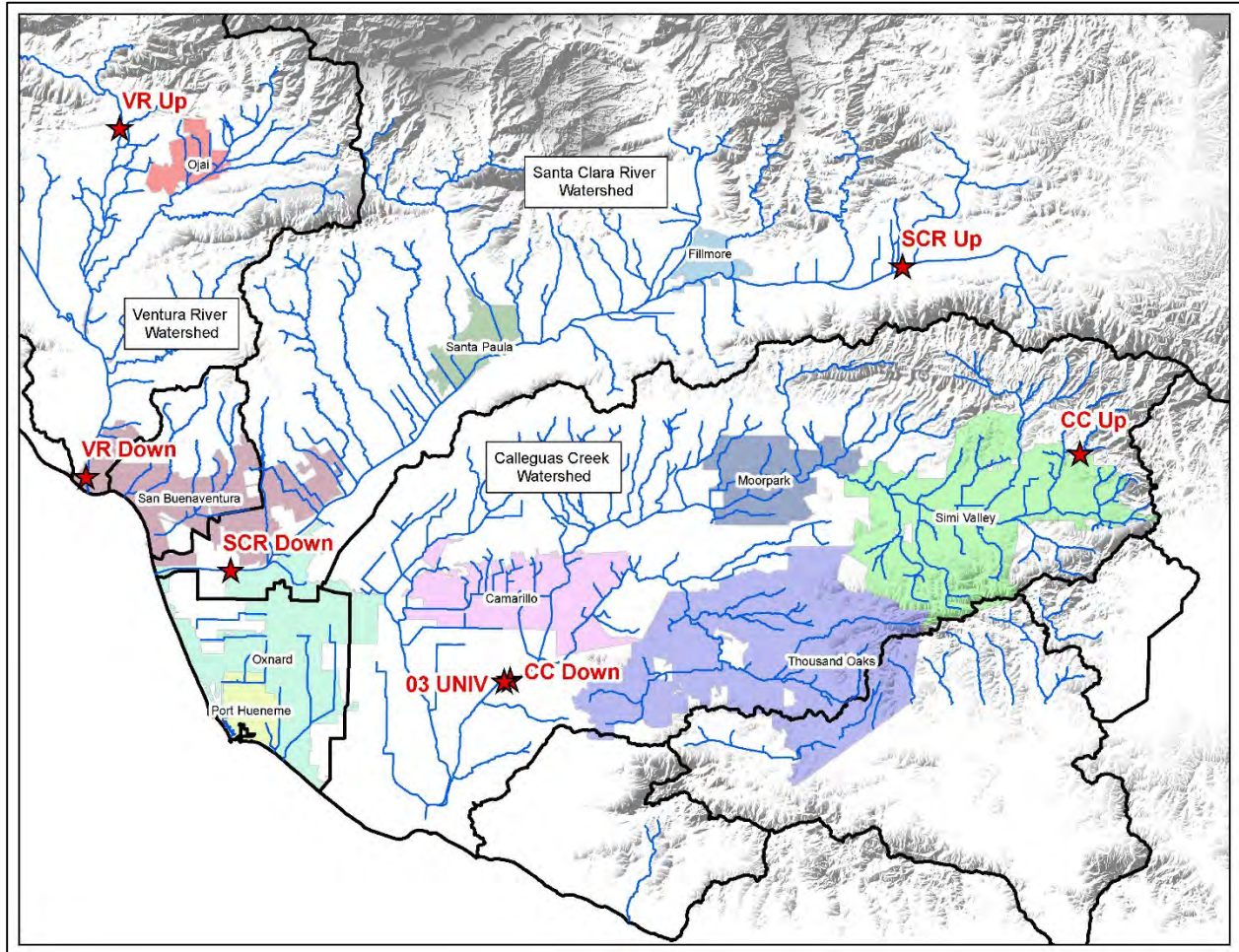
All sediment samples were analyzed for total organic carbon (TOC) by EPA 9060, pyrethroids by GC/MS NCI-SIM, and toxicity to 7 to 10 day old *Hyalella azteca*, as described in *Aquatic Toxicity Due to Residential use of Pyrethroid Insecticides*¹. Water quality field measurements were taken with hand-held probes.

The stainless steel trowels used by the Study were cleaned prior to sample collection with Citranox laboratory detergent and tap water, rinsed with distilled water, and air dried. They were then sealed individually in Ziploc bags until arrival at the site. An equipment blank was collected by the laboratory from one clean, unused stainless steel trowel by rinsing with one liter of laboratory grade de-ionized water and analyzing the rinsate for TOC by SM 5310C and pyrethroids by GC/MS NCI-SIM. A second equipment blank was submitted and underwent the same procedure.

The Permit specifies that monitoring is to be conducted every three years, after sediment has settled within the water body and safe access can be assured. Ventura County has been experiencing unusually low rainfall for the past several years, which has dried out many waterways that were previously perennial. The number and size of storms in Ventura County during the 2014/2015 water year was exceptionally low, and in some areas including several Study sites, the rainfall was insufficient to cause a change in the hydrograph, and/or flow to resume. The District waited until April to conduct the sampling in the hope that there would be some late season storms that might cause some of the dry areas to flow, however only small amounts of rain fell so sampling was conducted at the end of the calendar wet season, April 15 and 16, 2015, approximately one week after a small storm (<0.3" precipitation) and one and a half months after a larger storm (0.2-0.75" rainfall). VR Down, SCR Up, and CC Down were flowing, however VR Up and SCR Down were damp with small remnant ponds and CC Up was dry, although there were some sediment deposits from earlier flows.

¹ *Aquatic Toxicity Due to Residential Use of Pyrethroid Insecticides*; Weston, D., Holmes, R., You, J., Lydy, M.J (2005). Environ. Sci. Technol.; (Article); 2005; 39(24); 9780 pp.

Figure 1. Pyrethroid Sampling Locations 2015



2015 Pyrethroid Study

For the Study, an upstream and a downstream site were selected on the main stems in the Ventura River, Santa Clara River, and Calleguas Creek watersheds (Figure 1). The upstream site was located higher in the watershed to reduce the influence of urban sources and the downstream site was located low in the watershed to include urban contributions. It was not possible to exclude upstream sources of agriculture or urban runoff from outside Ventura County in all cases. For the Ventura River watershed, the upstream site is on the Ventura River above the Casitas Municipal Water District's diversion structure near the north end of Rice Road in Meiners Oaks (VR Up, Figure 2). The downstream site is on the Ventura River near the Main Street Bridge in Ventura (VR Down, Figure 3). For the Santa Clara River watershed, the upstream site is on the Santa Clara River east of Torrey Road near the Los Angeles/Ventura County Line² (SCR Up, Figure 4) and the downstream site is on the Santa Clara River near the Victoria Avenue Bridge in Ventura (SCR Down, Figure 5). For the Calleguas Creek watershed, the upstream site (CC Up, Figure 6) is in Las Lajas Canyon above Las Lajas Dam, north of Simi Valley and the downstream site (CC Down, Figure 7) is on Calleguas Creek at the Camarillo Street (formerly University Drive) Bridge. Factors such as safety, ease of entry, upstream land use, hydrology, and long term accessibility including landowner permission were considered in site selection.

As described in the Ventura County MS4 Pyrethroid Insecticides Monitoring Quality Assurance Project Plan (QAPP), the top layer (~1 cm) of the most recently deposited sediment was collected with a pre-cleaned stainless steel scoop as specified in the permit. The quantity of sediment required for the tests precluded sampling directly into glass jars, so the sediment was deposited in a 24" by 36" 2mm polyethylene bag per site. The bag was closed and the sediment was manually homogenized onsite by squeezing and rotating the bag. Homogenized sediment was placed in two 8 oz wide-mouth glass jars and placed on ice for TOC and pyrethroid analysis. The jars were placed in the freezer at the end of the sampling day so that they could be frozen for pickup by the chemistry lab courier the following day. The remaining sediment (~ 3 liters) was double-bagged and put on ice for (same day) delivery to the toxicity lab.

² Note that urban and agricultural areas are present upstream beyond the Ventura County boundary.

Figure 2. VR Up



Figure 3. VR Down



Figure 4. SCR Up



Figure 5. SCR Down



Figure 6. CC Up



Figure 7. CC Down



TMDL: 2011 and 2012 Data

The Calleguas Creek Watershed is unusual because most of its developed areas are in the upper portions of the watershed with the lower portions heavily influenced by agriculture. The monitoring plan for the TMDL does not include sites without urban influence but includes two sites that are monitored for both sediment pyrethroids and sediment toxicity, 03_UNIV and 04_WOOD. The TMDL site that best represented the urban contribution of the watershed is 03_UNIV, which is co-located with CC Down (Figure 1). Site 04_WOOD is located on Revolon Slough on the east side of Wood Road in a predominantly agricultural area, although there are urban inputs upstream. These sites have been monitored for total organic carbon, pyrethroids in sediment, and toxicity to *Hyalella azteca* since August 2008.

As described in the Calleguas Creek Watershed Management Plan Quality Assurance Project Plan Monitoring and Reporting Program Plan for the Nitrogen, OC and PCBs, Toxicity, and Metals and Selenium Total Maximum Daily Loads (TMDL QAPP), sediment samples were collected from the top two to three centimeters (cm) of sediment using pre-cleaned stainless steel trowels. Collecting a thicker layer of sediments is a common approach to conducting sediment sampling for the purpose of sediment toxicity testing and is the approach used in sediment toxicity studies conducted by the Southern California Coastal Water Research Project (SCCWRP) Bight Program and the State Water Resources Control Board Bay Protection and Toxic Cleanup Program (BPTCP). The sediment samples were collected directly into a clean polyethylene bag and mixed. Subsamples from the bag were placed into glass jars for pyrethroid and TOC analysis and the remaining sediment was kept in the bag for toxicity analysis. All samples were stored at 4°C until arrival at the contract laboratory.

RESULTS

Study Equipment Blanks

The initial equipment blank analysis detected a small amount of TOC and a quantifiable amount of the pyrethroid bifenthrin (Table 1). A second trowel was analyzed to confirm the contamination, and bifenthrin was detected but not in a quantifiable amount. To collect each equipment blank sample, the laboratory rinsed the trowel with one liter of deionized water and analyzed the rinsate for pyrethroids and TOC. Several non-pyrethroid constituents were also analyzed by this method but were not detected.

Table 1. Equipment Blank Results

Analyte	Trowel Blank I (Initial Analysis) (µg/L, MDL varies)	Trowel Blank II (2nd Trowel) (µg/L, MDL varies)
Allethrin	ND (<0.00085)	ND (<0.00085)
Bifenthrin	0.0026	0.00091 (DNQ)
Cyfluthrin	ND (<0.00083)	ND (<0.00083)
Cypermethrin	ND (<0.00066)	ND (<0.00066)
Deltamethrin/Tralomethrin	ND (<0.0019)	ND (<0.0019)
Dichloran	ND (<0.00080)	ND (<0.00080)
Esfenvalerate	ND (<0.00098)	ND (<0.00098)
Fenpropathrin (Danitol)	ND (<0.0020)	ND (<0.0020)
Fenvalerate	ND (<0.00098)	ND (<0.00098)
L-Cyhalothrin	ND (<0.0012)	ND (<0.0012)
Pendimethalin	ND (<0.00050)	ND (<0.00050)
Permethrin	ND (<0.0050)	ND (<0.0050)
Prallethrin	ND (<0.00092)	ND (<0.00092)
Sumithrin	ND (<0.0024)	ND (<0.0024)
Tefluthrin	ND (<0.00093)	ND (<0.00093)
TOC	0.18 mg/L (DNQ)	0.23 mg (DNQ)

Analyte listed in Permit
Detections
ND = Not Detected
DNQ = Detected Not Quantified

Study Sites – Pyrethroids

2015

The Permit specifies eight pyrethroids for analysis (bifenthrin, cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, I-cyhalothrin, permethrin, and tralomethrin), of which two were detected in the 2015 study: bifenthrin (VR Down, SCR Down, and CC Down) and permethrin (CC Down). One non-required pyrethroid was also detected: fenpropathrin (VR Down). A field duplicate sample was collected at CC Down and the detected pyrethroids were the same as the source sample, however there was some variation in quantities. The same five constituents were detected in the 2012 study, however there was some variation in the quantity and location of the detections between years.

All samples were subjected to a 10-day survival sediment bioassay using *Hyalella azteca*. Four of the six 2015 sites (VR Up, SCR Down, CC Up and CC Down) did not display significant toxicity, and the *H. azteca* survival rate at these sites was 82.5% or greater. However, some toxicity was observed in 2015 at VR Down (20.00%) and SCR Up (55.00%), and their corresponding toxicity units (TU) were greater than one, indicating that there was significant toxicity in the sample. No significant toxicity was observed in the 2012 study samples.

TOC amounts ranged from 8.27 g/kg in the downstream Calleguas Creek field duplicate (CC Down 2) to 33.8 g/kg in the upstream Ventura River site, with no clear reason for the differences. The distribution and differences in TOC between upstream/downstream samples and between watersheds is different than that observed in the 2012 study, which had values of 5.4 g/kg (SCR Up) to 26 g/kg (VR Down).

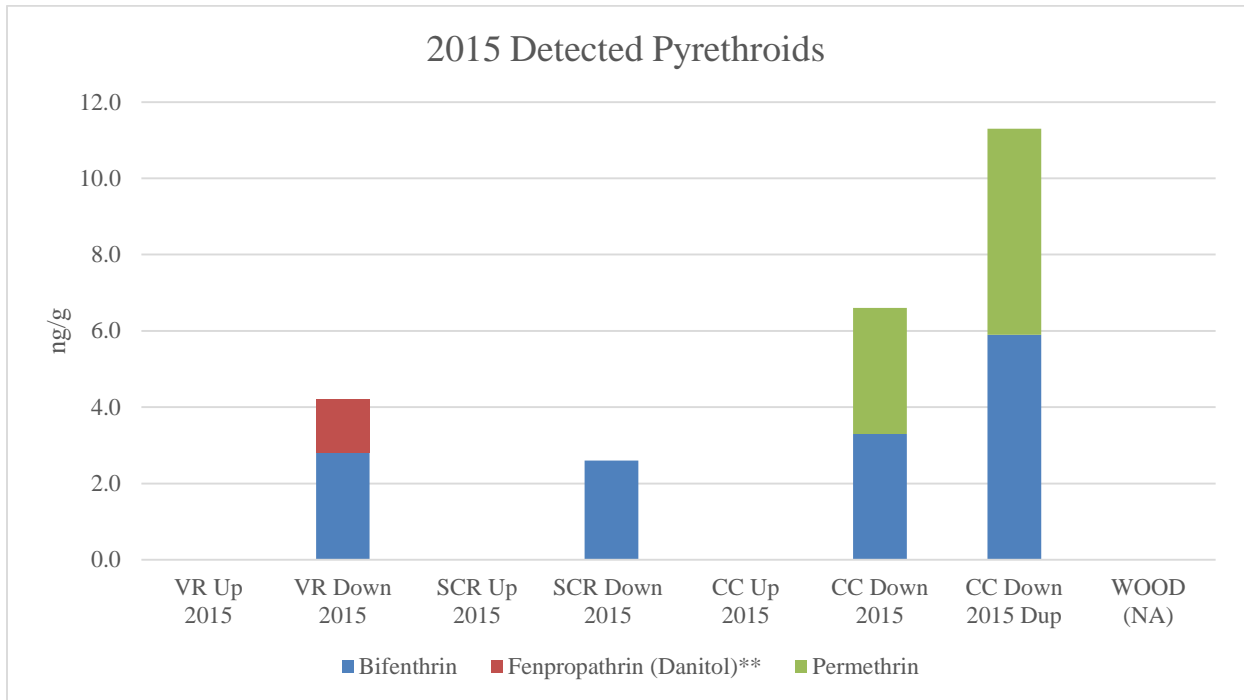
The results are provided in Table 2. The constituents (pyrethroid and non-pyrethroid) that were not required by the Permit are also included in this table.

Table 2. Study Results 2015 - as reported by laboratory

Analyte	VR Up	VR Down	SCR Up	SCR Down	CC Up	CC Down 1	CC Down 2	MRL	Units
Allethrin	ND	ND	ND	ND	ND	ND	ND	Varies	ng/g
Bifenthrin	ND	2.8	ND	2.6	ND	3.3	5.9	Varies	ng/g
Cyfluthrin	ND	ND	ND	ND	ND	ND	ND	Varies	ng/g
Cypermethrin	ND	ND	ND	ND	ND	ND	ND	Varies	ng/g
Deltamethrin	ND	ND	ND	ND	ND	ND	ND	Varies	ng/g
Dichloran	ND	ND	ND	1.1	ND	ND	ND	Varies	ng/g
Esfenvalerate	ND	ND	ND	ND	ND	ND	ND	Varies	ng/g
Fenpropathrin (Danitol)	ND	1.4	ND	ND	ND	ND	ND	Varies	ng/g
Fenvalerate	ND	ND	ND	ND	ND	ND	ND	Varies	ng/g
L-Cyhalothrin	ND	ND	ND	ND	ND	ND	ND	Varies	ng/g
Pendimethalin	ND	ND	1.4	8.8	ND	3.8	2.5	Varies	ng/g
Permethrin	ND	ND	ND	ND	ND	3.3	5.4	Varies	ng/g
Prallethrin	ND	ND	ND	ND	ND	ND	ND	Varies	ng/g
Sumithrin	ND	ND	ND	ND	ND	ND	ND	Varies	ng/g
Tefluthrin	ND	ND	ND	ND	ND	ND	ND	Varies	ng/g
Tralomethrin	ND	ND	ND	ND	ND	ND	ND	Varies	ng/g
TOC	33.8	18.8	17	11.4	12.2	12.3	8.27	Varies	g/kg
Toxicity	95.00	20.00	55.00	90.00	95.00	82.50	87.50		% Survival
Toxicity Units (t two-sample test)	1	>1	>1	1	1	1	1		TU Survival
Toxicity Units (Linear Interpolation EC50)	<1	1.6	<1	<1	<1	<1	<1		TU Survival

Analyte listed in Permit
Detections
ND = Not Detected
NA = Not Applicable

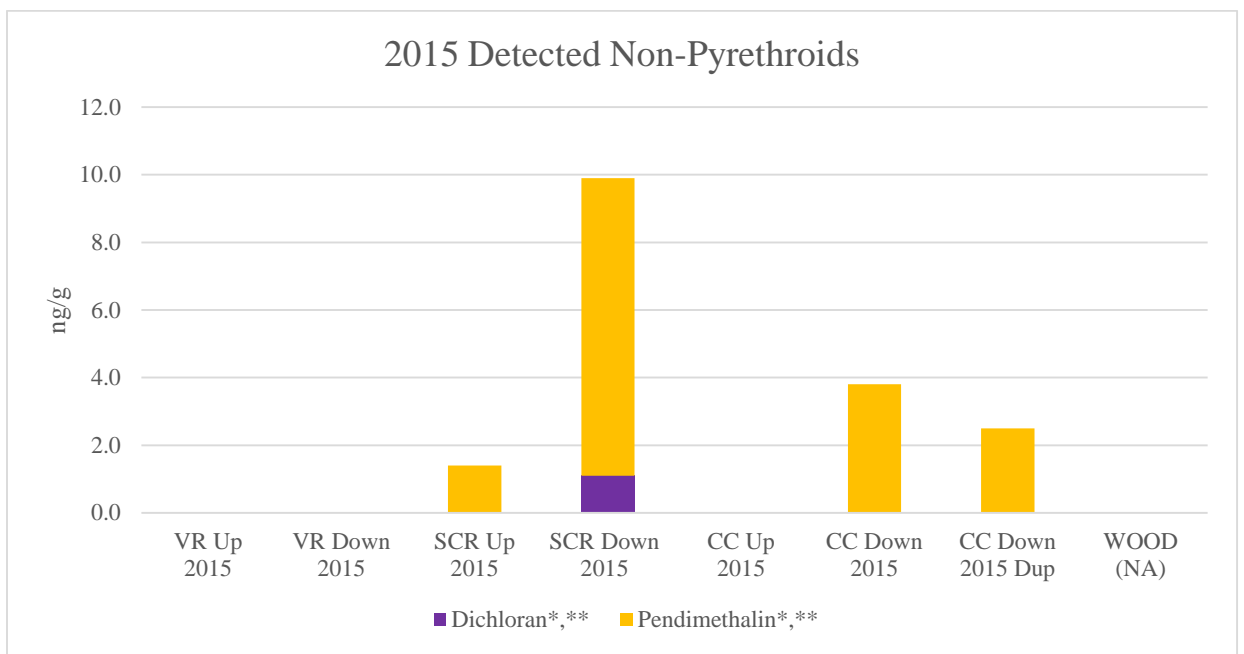
Figure 8. 2015 Detected Pyrethroids



** Analyte not required by Permit

Two non-pyrethroids were also detected: dichloran at SCR Down and pendimethalin at SCR Up, SCR Down, and CC Down. These results are shown in Figure 9.

Figure 9. 2015 Detected Non-Pyrethroids



* Analyte not analyzed by TMDL

** Analyte not required by Permit

TMDL 2011 - 2012

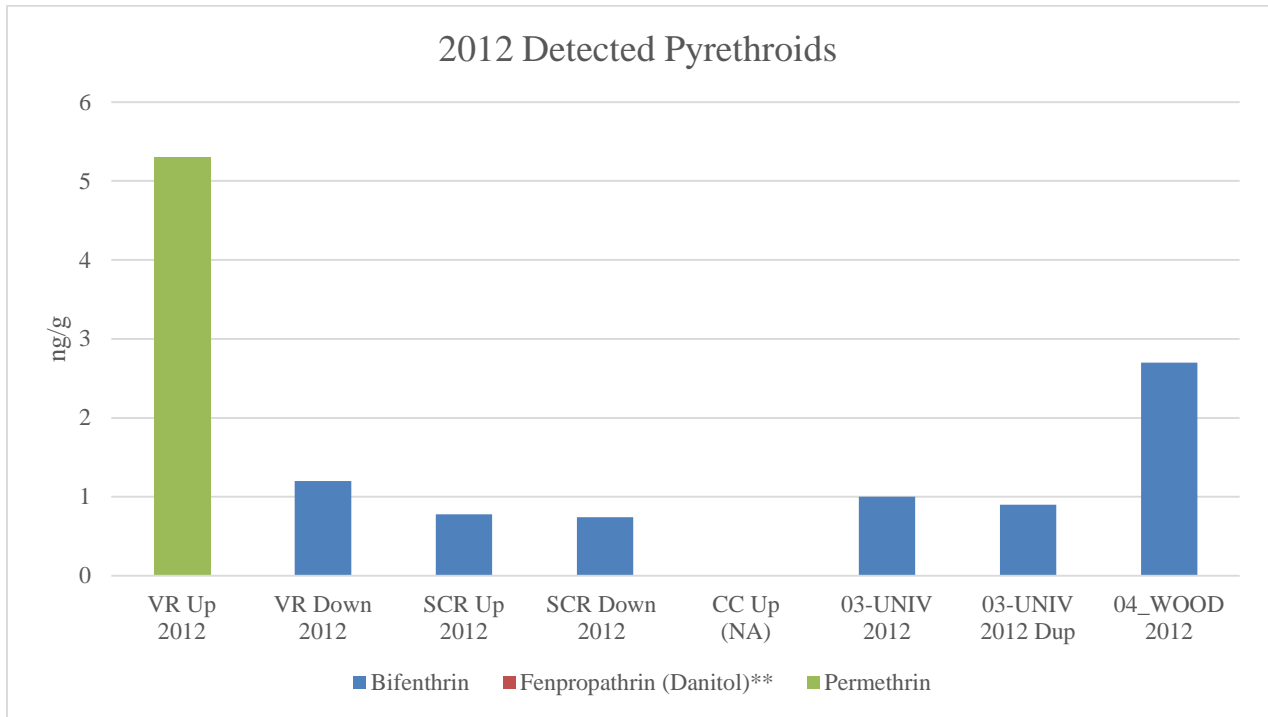
Since the 2012 TMDL data was not available at the time of the 2012 Pyrethroid Study, the data is being included here. TMDL site 03_UNIV is co-located with CC Down, however 03_UNIV is sampled with TMDL protocols which are different to the CC Down Study Protocols. Pyrethroids were not detected in either of the TMDL samples in 2011, however bifenthrin was detected at both sites (03_UNIV and duplicate and 04_WOOD) in 2012. Dichloran and pendimethalin were not part of the TMDL study. Significant toxicity to *Hyalella azteca* survival was observed in all sediment toxicity samples. The percent survival ranged from 0% at 04_WOOD in 2011 to 88.3% at 03_UNIV in 2011. TOC amounts were between 3.3 g/kg (2012) and 6.2 g/kg (2011). The 2011-2012 TMDL results are shown in Table 3. The TMDL and Study results from 2012 are included in Figure 10 and Figure 11.

Table 3. TMDL Results 2011-2012 - as reported by laboratory

Analyte	03_UNIV			04_WOOD		MDL	Units
	8/4/2011	8/29/2012	8/29/2012 Duplicate	8/4/2011	8/29/2012		
Allethrin	ND	ND	ND	ND	ND	0.5	ng/g
Bifenthrin	ND	1 (DNQ)	0.9 (DNQ)	ND	2.7	0.5	ng/g
Cyfluthrin, total	ND	ND	ND	ND	ND	0.5	ng/g
Cypermethrin, total	ND	ND	ND	ND	ND	0.5	ng/g
Deltamethrin	ND	ND	ND	ND	ND	0.5	ng/g
Esfenvalerate	ND	ND	ND	ND	ND	0.5	ng/g
Fenpropathrin (Danitol)	ND	ND	ND	ND	ND	0.5	ng/g
Fenvalerate	ND	ND	ND	ND	ND	0.5	ng/g
Fluvalinate	ND	ND	ND	ND	ND	0.5	ng/g
L-Cyhalothrin	ND	ND	ND	ND	ND	0.5	ng/g
Permethrin, cis-	ND	ND	ND	ND	ND	5	ng/g
Permethrin, trans-	ND	ND	ND	ND	ND	5	ng/g
Prallethrin	ND	ND	ND	ND	ND	0.5	ng/g
Resmethrin	ND	ND	ND	ND	ND	5	ng/g
Total Organic Carbon (TOC)	6.2	4.4	3.3	4.5	5.6	0.1	g/kg
<i>H. azteca</i> Toxicity	88.8 SG	75.0 SG	NS	0.0 SG	66.3 SG	-	% Survival

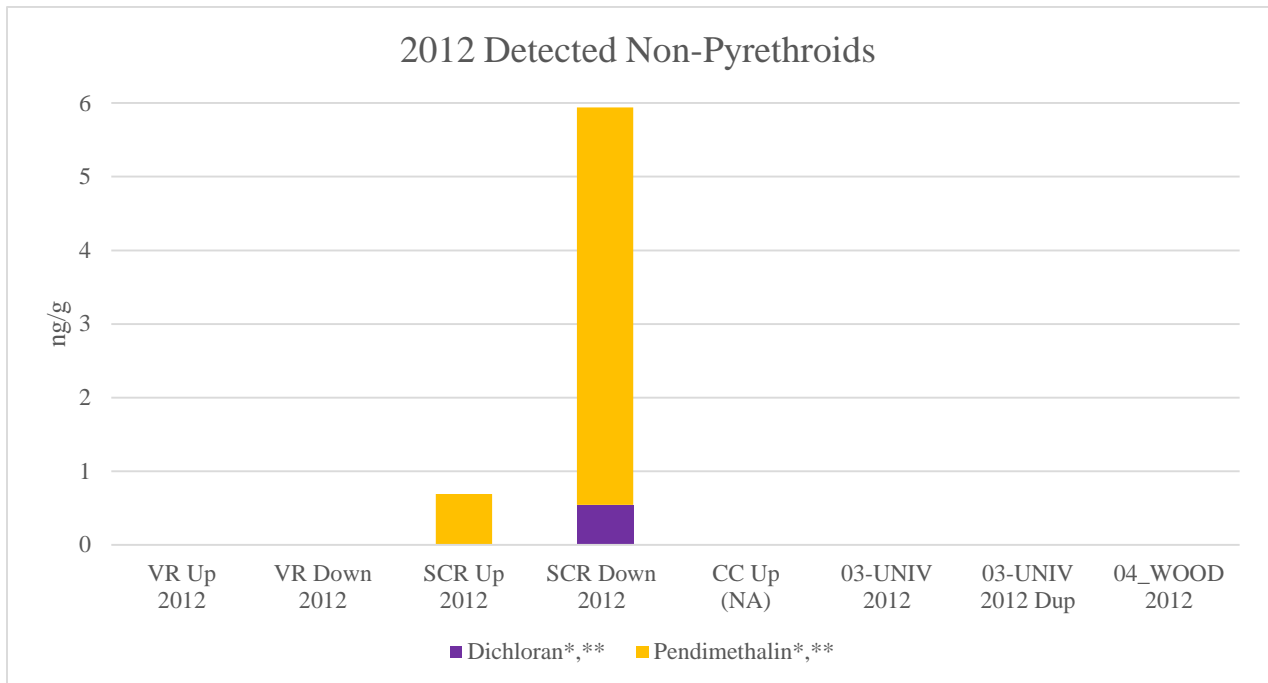
Analyte listed in Permit	DNQ = Detected Not Quantified	NS = Not Sampled
Analyte Detected	ND = Not Detected	SG = Significant Effect

Figure 10. 2012 Detected Pyrethroids



** Analyte not required by Permit

Figure 11. 2012 Detected Non-Pyrethroids



* Analyte not analyzed by TMDL

** Analyte not required by Permit

DISCUSSION OF RESULTS

Equipment Blank

The source of the detected bifenthrin in the Study's original equipment blank is uncertain. The equipment blank is collected by rinsing the trowel with one liter of laboratory grade deionized water and collecting the rinsate for analysis. One liter is used as it is the volume required for the analytical method and collecting extra for a potential re-analysis may dilute the sample. Since one liter of rinsate is insufficient to re-analyze for pyrethroids, the re-analysis required analyzing a second trowel. A smaller amount of bifenthrin was detected in the second analysis. The source of the contamination is undetermined. The laboratory QC was within limits for both equipment blank batches, i.e. bifenthrin was not detected above the reporting limit of 0.0020 µg/L in either of the laboratory method blanks, and the laboratory control samples and duplicates were all within acceptance limits. The equipment blank may have been contaminated during rinsate collection and/or analysis at the laboratory, or Citranox may have been insufficient to remove all bifenthrin contamination from the trowels. Citranox is formulated to remove scale, metals, trace inorganics, soil, grease, fats, oils, particulates, deposits, chemical and solvents." A different detergent, such as Alconox, may be more effective at removing pyrethroid contamination.

Regardless of whether the pyrethroid contamination occurred at the laboratory or was present on the trowel, the amount of contamination is insignificant in comparison to the amounts detected in the environmental samples. The total mass of each pyrethroid detected in the one liter of equipment blank rinsate is equal to the concentration per liter, since the total rinsate volume was one liter. This amount is at least two orders of magnitude below the concentrations detected in the environmental samples. The amounts of bifenthrin detected in the environmental samples could be considered to be upper limits due to the equipment blank detections.

Cleanup instructions for bifenthrin-containing products vary depending on manufacturer/formulation. The instructions for accidental release measures in the MSDS for Bifen (a bifenthrin containing insecticide/termiticide) are to "wash with a suitable solution of caustic or soda ash, and an appropriate alcohol (i.e. methanol, ethanol, or isopropanol). Follow this by washing with a strong soap and water solution." The MSDS for HomeshieldXP is similar, with bleach named instead of caustic. Other MSDS's for bifenthrin-containing products only designate water and detergents for cleanup.

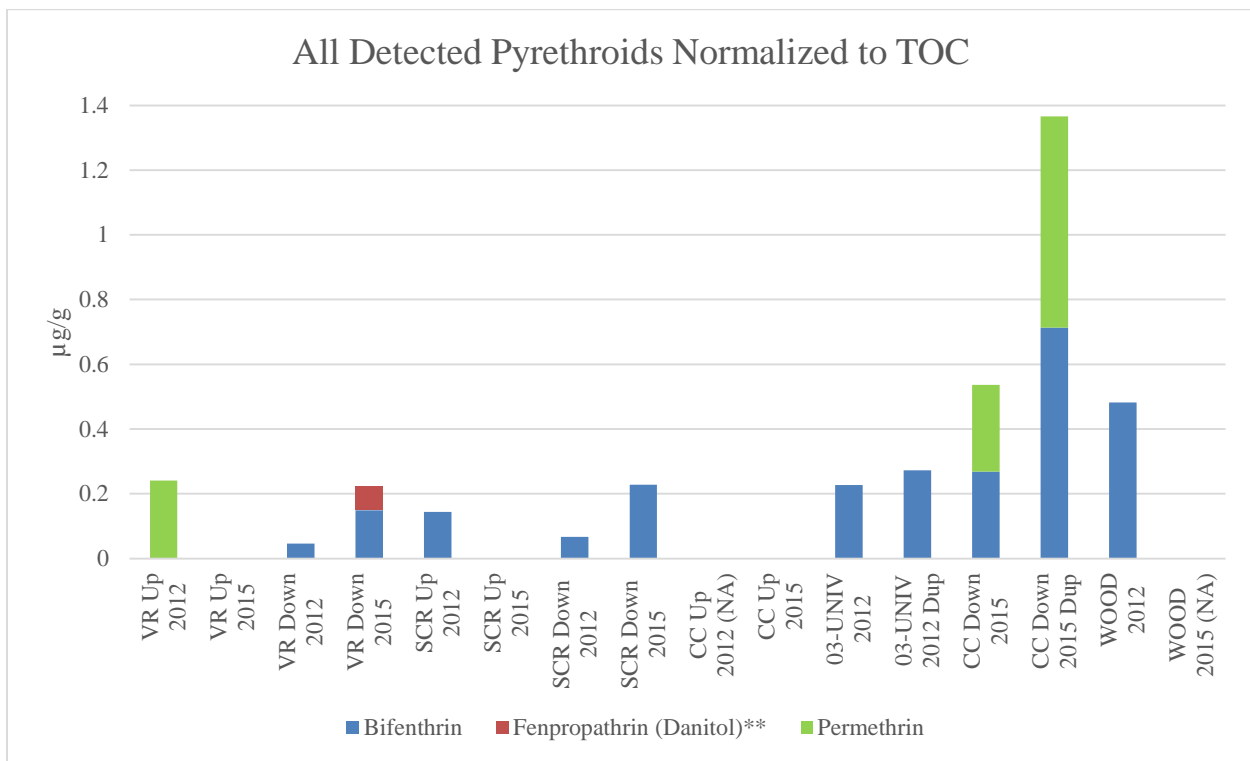
The amount of TOC measured in the equipment blank was at least four orders of magnitude below the environmental samples and so can be considered insignificant.

Toxicity

Toxicity levels vary between pyrethroids. Hypothetical toxicity units (TU_H) can be calculated to compare the relative toxicity of different samples and pyrethroids. This is done by normalizing the sediment pyrethroid concentrations to TOC concentration to account for hydrophobicity (Figure 12 and Table 4)

and then dividing by the *Hyalella azteca* ten day median lethal concentration (LC50) for each detected pyrethroid, if available (Table 5). LC50s for the detected analytes bifenthrin and permethrin were obtained from the study referenced in the Permit, "Aquatic Toxicity Due to Residential Use of Pyrethroid Insecticides (2005) by Weston *et al.* The Study did not include an LC50 for the pyrethroid fenpropathrin or the non-pyrethroids dichloran and pendimethalin. To complete this Pyrethroid Study, an LC50 for fenpropathrin was obtained from the Los Angeles Regional Water Quality Control Boards study, "Occurrence and Toxicity of Three Classes of Insecticides in Water and Sediment in Two Southern California Coastal Watersheds (2011) by Delgado-Moreno *et al.* The overall hypothetical pyrethroid toxicity of a particular sample can be calculated by summing the calculated pyrethroid TU_H for that sample. TU_H greater than one indicate significant hypothetical toxicity. The non-pyrethroids were also normalized to TOC (Figure 13) but TU_H were not calculated since they are not pyrethroids and do not have LC50s in the Permit-referenced study.

Figure 12. All Detected Pyrethroids Normalized to TOC



** Analyte not required by Permit

Table 4. Detected Analytes Normalized to TOC

Analyte	2012								2015							Units
	VR Up 2012	VR Down 2012	SCR Up 2012	SCR Down 2012	CC Up 2012 (NA)	03_UNIV 2012	03_UNIV 2012 Dup	04_WOOD 2012	VR Up 2015	VR Down 2015	SCR Up 2015	SCR Down 2015	CC Up 2015	CC Down 2015	CC Down 2015 Dup	
Bifenthrin	ND	0.05	0.14	0.07	NA	0.23(DNQ)	0.27(DNQ)	0.48	ND	0.15	ND	0.23	ND	0.27	0.71	µg/g
Dichloran*,**	ND	ND	ND	0.05	NA	ND	ND	ND	ND	ND	ND	0.10	ND	ND	ND	µg/g
Fenpropathrin (Danitol)**	ND	ND	ND	ND	NA	ND	ND	ND	ND	0.07	ND	ND	ND	ND	ND	µg/g
Pendimethalin*,**	ND	ND	0.13	0.49	NA	ND	ND	ND	ND	ND	0.08	0.77	ND	0.31	0.30	µg/g
Permethrin	0.24	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.27	0.65	µg/g
Analyte listed in Permit	Detections				ND = Not Detected				NA = Not Applicable							

Note: CC Up was not part of the 2012 study and 03_UNIV is co-located with CC Down, however the TMDL and Study have different sediment collection methods.

* Not analyzed by TMDL
** Analytes not required by Permit

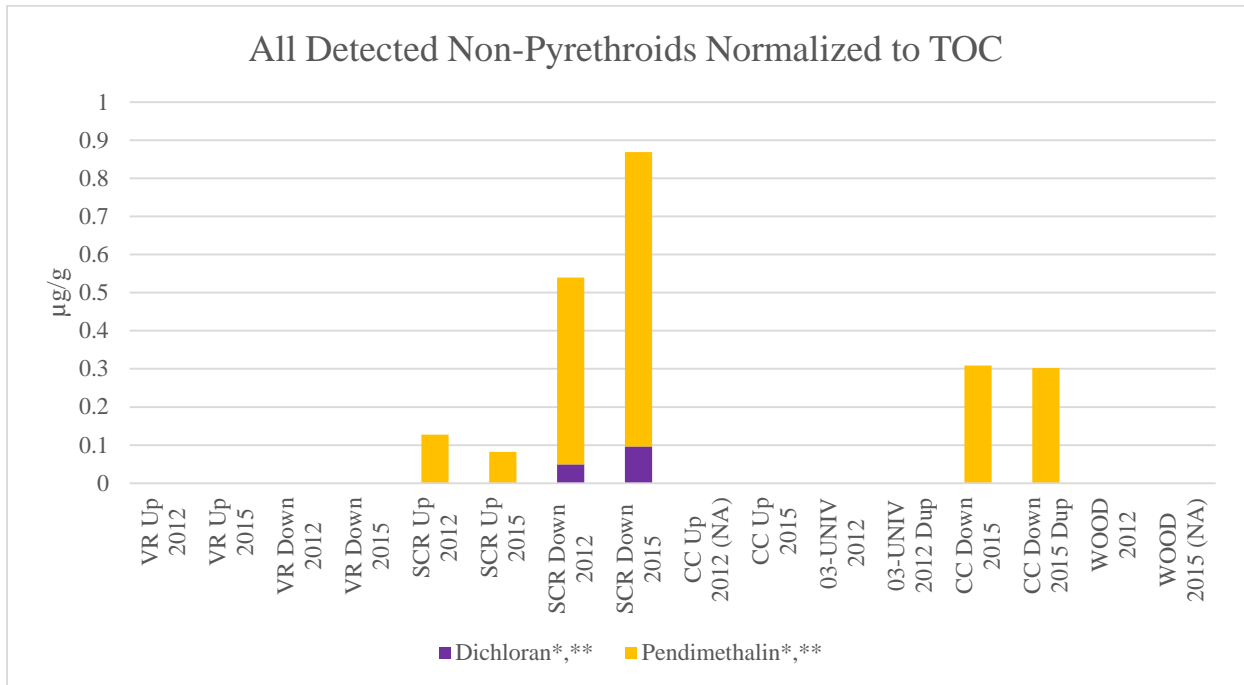
Table 5. Comparison of Toxicity Units (TOC normalized results)

Analyte	2012									2015							Units			
	LC ₅₀ <i>H. azteca</i> *** (µg/g TOC)	VR Up 2012	VR Down 2012	SCR Up 2012	SCR Down 2012	CC Up 2012 (NA)	03-UNIV 2012	03-UNIV 2012 Dup	04_WOOD 2012	VR Up 2015	VR Down 2015	SCR Up 2015	SCR Down 2015	CC Up 2015	CC Down 2015	CC Down 2015 Dup				
Bifenthrin	0.52	ND	0.09	0.28	0.13	NA	0.44(DNQ)	0.52(DNQ)	0.93	ND	0.29	ND	0.44	ND	0.52	1.37	TU			
Dichloran*,**	NA	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	TU			
Fenpropathrin (Danitol)**	1.1	ND	ND	ND	ND	NA	ND	ND	ND	ND	0.07	ND	ND	ND	ND	ND	TU			
Pendimethalin*,**	NA	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	NA	NA	TU			
Permethrin	10.83	0.02	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.02	0.06	TU			
Summed Hypothetical TU		0.02	0.09	0.28	0.13	NA	0.44	0.52	0.93	-	0.36	-	0.44	-	0.54	1.43	TU			
Measured TU		≤1	≤1	≤1	≤1	NA	>1	NA	>1	≤1	>1	>1	≤1	≤1	≤1	≤1	TU (survival)			
Measured Toxicity to <i>H. azteca</i>		83.75%	88.75%	98.75%	96.25%	NA	75.00%	NA	66.30%	95.00%	20.00%	55.00%	90.00%	95.00%	82.50%	87.50%	% Survival			
Measured Significant Effect		NSG	NSG	NSG	NSG	NA	SG	NA	SG	NSG	SG	SG	NSG	NSG	NSG	NSG	Sig Effect			
Analyte listed in Permit	Detections				ND = Not Detected				NA = Not Applicable				SG = Significant Effect				NSG = Non-significant Effect			

Note: CC Up was not part of the 2012 study and 03_UNIV is co-located with CC Down, however the TMDL and Study have different sediment collection methods.

* Not analyzed by TMDL
** Analytes not required by Permit
*** LC50 values from "Aquatic Toxicity Due to Residential Use of Pyrethroid Insecticides", Weston et al (2005), except fenpropathrin which is from "Occurrence and Toxicity of Three Classes of Insecticides in Water and Sediment in Two Southern California Coastal Watersheds", Delgado-Moreno et al (2011)

Figure 13. All Detected Non-Pyrethroids Normalized to TOC

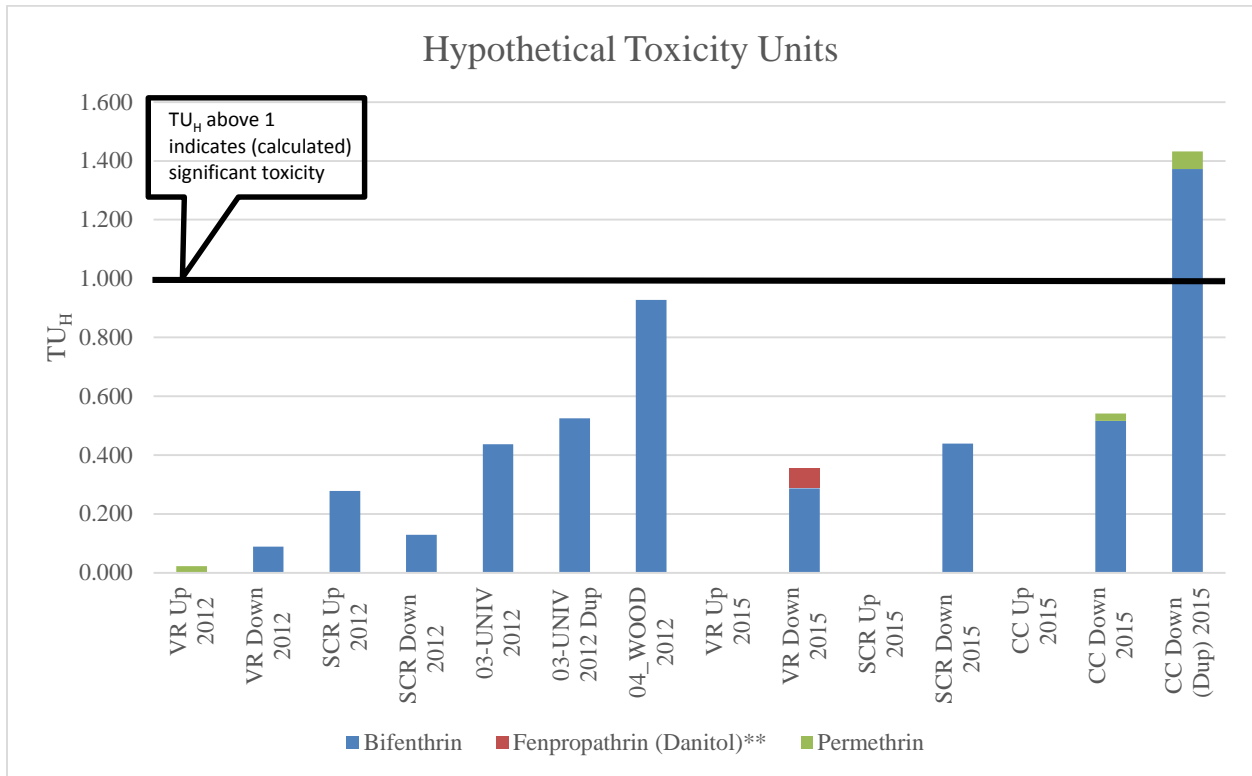


* Analyte not analyzed by TMDL

** Analyte not required by Permit

With the exception of the CC Down Duplicate, the calculated toxicity units from the Study samples were all less than one (Figure 14 and Table 5) and so these samples can be considered non-toxic by this evaluation method. For the CC Down Duplicate, even though the calculated TU_H was greater than one, the measured toxicity units were not above one, which means that significant toxicity was not observed in the *H. azteca* test. The study referenced in the Permit does not contain an LC50 for dichloran or pendimethalin, however the lack of toxicity in the environmental sample infers a calculated TU_H of less than one for these analytes. The calculated TU_H were not correlated with the observed toxicity, possibly due to the presence of unanalyzed constituents in the samples.

Figure 14. Hypothetical Toxicity Units for Detected Pyrethroids



** Analyte not required by Permit

Pyrethroids

Pyrethroids, with the exception of bifenthrin, were not detected in the sediment samples collected in 2011 and 2012 from TMDL sites 03_UNIV and 04_WOOD. The amount of bifenthrin detected at 04_WOOD is approaching a hypothetical TU of 1, which indicates that pyrethroids may be contributing to the significant toxicity measured at this predominantly agricultural site in 2012. Given its location within the Oxnard Plain, an area notable for its large crops of strawberries, peppers, and leafy green vegetables, the source of this bifenthrin is likely agricultural, however there are some upstream discharge contributions from urban sources. The Permit requested that pyrethroid detection limits be as close to 1 ng/g (dry weight) as reasonably achievable and the TMDL monitoring effort was able to meet this level for all pyrethroids except for permethrin and resmethrin (not required by Permit), which had MDLs of 5 ng/g. The TMDL permethrin detection limit of 5 ng/g is above/near the quantities measured in the 2015 CC Down samples, so the higher TMDL detection limit may have obscured the presence of similar concentrations of permethrin in the TMDL samples.

Pyrethroid pesticides were more prevalent in the downstream samples for most analytes/watersheds, with the exception of both the Ventura River Watershed and Santa Clara River Watershed in 2012. Non-pyrethroid pesticide detections were limited to the Santa Clara River Watershed and the downstream Calleguas Creek 2015 Samples. Trends are inconclusive for this Permit term.

POTENTIAL PESTICIDE SOURCES

The pounds of pesticides applied annually for agriculture and structural pest control is tracked by the California Department of Pesticide Regulation (CDPR). The *Annual Pesticide Use Report Indexed by Chemical* (Use Report) for Ventura County in 2012 and 2013 (the two latest reports available at the time of this report) summarize the reported pesticide use for agriculture (including food and ornamental), structural pest control, and landscape maintenance. The application of pesticides for residential, industrial, and commercial use is not tracked, with the exception of structural pest control by certified applicators. Many pesticides have both general use (lower concentrations and/or small areas) and restricted use (higher concentrations and/or large scale applications) formulations. General use pesticides can be applied by anyone however restricted use pesticides applications require CDPR Certified Pesticide Applicators.

Bifenthrin and permethrin are insecticides that have both agricultural and urban and general and restricted use applications. Bifenthrin is used as a restricted use pesticide in orchards, nurseries, and homes (structural pest control). Some products with lower concentrations are available for unrestricted residential use for indoor and outdoor insect control. Permethrin is a restricted use pesticide for crop and wide area applications (e.g. nurseries, sod farms) but is also a general use pesticide for residential (e.g. indoor and outdoor spaces, pets) and industrial applications. The 2012 and 2013 Use Reports show large amounts of bifenthrin and permethrin used in both agricultural and structural pest control applications within Ventura County. However, according to the United States Environmental Protection Agency's "Reregistration Eligibility Decision (RED) for Permethrin (December 2007)", approximately 70% of permethrin is used in non-agricultural settings and approximately 30% is used on food/feed crops in agricultural settings. The RED states that approximately 55% of the non-agricultural applications are made by professionals, 41% by homeowners on residential areas, and 4% on mosquito abatement areas. This suggests that the detected permethrin may have come from urban and/or agricultural sources.

Fenpropathrin is a pyrethroid insecticide that is registered for multiple crops but its restricted use designation makes it unlikely to have an urban source, however it can be used to treat Asian citrus psyllid infestations (as can cyfluthrin, which was not detected), which have become a problem in Ventura County. It is not used for structural pest control in Ventura County. Dichloran is a (non-pyrethroid) general use fungicide with no residential uses [DCNA (Dicloran) Reregistration Eligibility Decision (RED) Fact Sheet (EPA 738-F-06-013, July 2006)], therefore the detected dichloran is unlikely to be from an urban source. Pendimethalin is a (non-pyrethroid) general use selective herbicide used to control broadleaf weeds and grassy seed species in agricultural and non-agricultural settings. It was primarily used on strawberries in Ventura County according to the 2012 and 2013 Use Reports. It is unknown if the detection of this non-pyrethroid is related to an urban source.

Table 6. Ventura County Pesticide Use Reported to CDPR

	2012					2013 [^]				
	Total Pounds	Agriculture	Structural	Other	Major crop - pounds	Total Pounds	Agriculture	Structural	Other	Major crop - pounds
Bifenthrin	2911.63	1673.06	1211.49	27.08	Strawberry 1364	3350.01	1635.33	1684.09	30.59	Strawberry 1253
Permethrin	4625.02	2060.4	2515.73	48.89	Celery 873, Lettuce 335	4678.32	2408.77	2201.2	68.35	Celery 1142
Fenpropathrin (Danitol)**	788.71	788.08	0	0.63	Strawberry 595	1668.9	1668.9	0	0	Strawberry 1307
Dichloran*,**	15545.81	15545.81	0	0	Celery 14854	19557.51	19557.51	0	0	Celery 18984
Pendimethalin*,**	5983.35	5739.14	0	244.21	Strawberry 5140	11899.69	11862.37	0	37.32	Strawberry 10855
[^] 2014 and 2015 unavailable at time of report		* Not analyzed by TMDL		** Analytes not required by Permit		Other - E.g. landscape maintenance, rights of way, vertebrate control, etc.				

PESTICIDE REDUCTION EFFORTS

Integrated Pest Management Programs

A model integrated pest management (IPM) program was drafted through the Public Agencies Activities Subcommittee and used as a template by the Permittees to develop their own plans by November 2009. This standardized protocol was amended in February 2014 at the amended version is posted on Program's website at: <http://www.vcstormwater.org/index.php/publications/manuals/pesticide-application-protocol>.

The prevention of pesticides from harming non-target organisms is the primary goal of the Permittees IPM program. The intent is to focus on preventing pesticides, fertilizers, and herbicides from entering the storm drain system and discharging to receiving waters. This protocol is applicable to 1) the outdoor use of pesticides, herbicides, and fertilizers; 2) the use of pesticides and fertilizers where the materials may come into contact with precipitation; 3) the use of pesticides, herbicides, and fertilizers where these materials may come into contact with runoff (natural or induces); and 4) the use of pesticides, herbicides, or fertilizers anywhere where they may be directly or indirectly discharged to a storm drainage system.

An effective IPM program includes the following elements:

- Pesticides are used only if monitoring indicates they are needed according to established guidelines.
- Treatment is made with the goal of removing only the target organism.
- Pest controls are selected and applied in a manner that minimizes risks to human health, beneficial, non-target organisms, and the environment.
- Its use of pesticides, including Organophosphates and Pyrethroids do not threaten water quality.
- Partner with other agencies and organizations to encourage the use of IPM.
- Adopt and verifiably implement policies, procedures, and/or ordinances requiring the minimization of pesticide use and encouraging the use of IPM techniques (including beneficial insects) in the Permittees' overall operations and on municipal property.
- Policies, procedures, and ordinances shall include commitments and timelines to reduce the use of pesticides that cause impairment of surface waters by implementing the following procedures:
 - Quantify pesticide use by its staff and hired contractors.
 - Prepare and annually update an inventory of pesticides used by all internal departments, divisions, and other operational units.
 - Demonstrate reductions in pesticide use.

The protocol is applicable to any Permittee staff and contracted services that apply pesticides, fertilizers, or herbicides. Such staff commonly include, park, public works, purchasing, building/grounds maintenance, hazardous materials, and pesticide application staff. It is not applicable to the indoor use of pesticides, herbicides or fertilizers, but is applicable to the consequential outdoor handling, mixing, transport, or disposal of materials related to indoor use. This protocol also does not apply when another NPDES permit and/or abatement orders are in effect at the selected site. Furthermore, this protocol is not intended to replace federal or state requirements or provide complete directions for applying, handling, transporting, mixing, or storing pesticides, fertilizers, or herbicides.

Public Outreach and Education on Pesticide Use

Timed to coincide with the spring planting season, the Program's outreach effort (Community for a Clean Watershed) ran a five-week pesticide campaign in 2010 utilizing television and radio campaign elements from past years' creative arsenal. Another campaign is planned for Spring 2016. The animated "More, Better" television commercial graphically demonstrates how using too much pesticide runs into the storm drains, eventually making it into the Watershed, adversely affecting plants and animals. The radio spot was a humorous adaptation of the television ad, featuring the two animated characters as they defend their house against garden pests and inadvertently poison the watershed. An animated web banner corresponded with both broadcast media while the transit shelters took a more direct approach showing a snail and telling residents "Don't kill an ocean just to keep pests out of your garden."



Spanish Language Pesticide Outreach



Newspaper Advertisement

Retail Partnership Brochures: Nurseries and Gardeners,

Watershed Protection Tip pamphlets aimed at residents were created to encourage best practices in their homes. These brochures were distributed to targeted retail stores to reach the population that is

likely involved in the activities. The colorful pamphlet defines the Watershed, explains the storm drain system, how polluted water is damaging and gives both overall and topic-specific tips for how to keep the Watershed clean. In this case the one aimed at gardeners talks about plant selection, irrigation, fertilizer and pesticide practices, integrated pest management and proper yard maintenance.



Watershed Protection Tips for Gardeners

How Can You Help Keep the Watershed Clean?
Whether your home is one mile or many miles from the Pacific Ocean, what starts in your garden can end up as toxic stormwater runoff and contribute to coastal pollution.
You can do the right thing and keep preventable pollutants out of the storm drain system. Unlike sewer systems, storm drain systems direct runoff, untreated, straight into local waterways.
Preventable pollutants include both seen and unseen materials that accumulate in our yards, driveways, gutters and streets and that damage our watersheds.
Simple changes in the way we care for our gardens can make a big difference in keeping our watersheds clean.

The Watershed Should Only Shed Water
The storm drain system is a vast network of gutters, pipes and open channels designed for flood control, which directs runoff – untreated – from the watershed straight into the waterways.
Polluted stormwater contaminates streams, rivers and lakes. It can kill or damage plants, fish and wildlife, and can degrade the quality of our water.
The Community for a Clean Watershed program was established to protect Ventura County's watershed by preventing stormwater pollution.
For more information on how to keep our watersheds clean, go to cleanwatershed.org.

What Is Our Watershed?
Our watershed is the total land area, including your yard, from which stormwater drains into streams, rivers or other bodies of water. In Ventura County our primary watersheds drain into the Ventura and Santa Clara Rivers, Malibu and Calleguas Creeks and the marinas and estuaries that flow into the Pacific Ocean.

COMMUNITY FOR A CLEAN WATERSHED
cleanwatershed.org

Printed on recycled paper



Clean Gardening Practices

Plant Selection
Select pest-resistant and drought-resistant native plants for your garden to reduce the need for pesticides, fertilizers and water. Create landscaped areas next to sidewalks and driveways to naturally collect and filter any potentially polluted runoff from paved surfaces. Go to beautifyourworld.com for a California-Friendly Gardening Guide.

Irrigation
Save water and money by automating your sprinkler system. Irrigate after dusk or early in the morning when less water is lost to wind and evaporation. Even during the hot summer months, there is no need to water every day. Routinely fix leaks and damaged sprinkler heads to minimize runoff that carries pollutants into the storm drain system.

Fertilizers & Pesticides
Overuse of any pesticide or fertilizer is a key contributor to stormwater pollution. Apply only as needed and as directed on the label, and always store under cover, out of the rain. Never use fertilizers or pesticides around water, drains, bare ground or if rain is predicted within 24 hours. Avoid using copper sulfate root-killing products. Pesticides that contain diazinon or chlorpyrifos have been banned and should be disposed of at your local Household Hazardous Waste* collection center or event.

Integrated Pest Management (IPM)
IPM is an eco-friendly approach to effective pest management. Its goal is to use less-toxic methods to reduce the use of pesticides, creating a system that is safe for your family and the environment. To learn more, go to the UC Davis IPM resource site at ipm.ucdavis.edu.

Maintenance
Clear, remove and recycle yard debris such as leaves and grass cuttings by placing them in your yard waste bin or by composting. Even organic waste, when flushed or blown into storm drains, can create flooding and pollute the watershed. Rotting plant material can also reduce the oxygen available for aquatic wildlife and increase the presence of harmful bacteria.

*Go to watershed.org for locations and hours of Household Hazardous Waste collection centers and events throughout Ventura County.

Gardening Retail Partnership Brochure

RECOMMENDATIONS

Urban use of pesticides remains one of the priority pollutants for the Program. Through maintaining a strong public outreach effort to educate the public on the use and handling of pesticides coupled with household hazardous waste collections providing proper disposal of unwanted products, the Program expects to reduce the pesticide contamination in stormwater discharge. The results of this study, and the previous one three years ago, do not directly show a link between pyrethroids and significant toxicity in the samples, meaning the toxicity could be from other pesticides or other pollutants. The Program is committed to reducing all pollutants in MS4 runoff and through the continued implementation of the Program, these other potential causes to toxicity will be addressed.

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